



New Gen Drive-Aways

| | |
|------------|----|
| Ka-75VP | 2 |
| Ka-74G | 4 |
| Ka-74H | 6 |
| Ka-75V | 8 |
| 980+ | 10 |
| Ka-98G | 12 |
| Ka-98V | 14 |
| Ka-98H/Jup | 16 |
| 1202 | 18 |
| Ka-1202V | 20 |
| Ka-1202G | 22 |
| 1501 | 24 |
| 1801 | 26 |

Classic Drive-Aways

| | |
|------|----|
| 1200 | 30 |
|------|----|

Fly-Aways

| | |
|------------|----|
| FLY-74G | 36 |
| FLY-74H | 38 |
| FLY-75V | 40 |
| FLY-981 | 42 |
| FLY-98G | 44 |
| FLY-98V | 46 |
| FLY-98H | 48 |
| ACFLY-1200 | 50 |
| FLY-1202 | 52 |
| FLY-1202V | 54 |
| FLY-1202G | 56 |
| FLY-1202H | 57 |
| FLY-1801 | 58 |

ManPacks

| | |
|------------|----|
| MP-60-MOT | 62 |
| MP-80-MOT | 64 |
| MP-100-MOT | 66 |
| MP-130-MOT | 68 |

FMA's (Fixed Motorized)

| | |
|----------|----|
| FMA-121 | 70 |
| FMA-180+ | 72 |
| FMA-241 | 74 |

Controllers & Accessories

| | |
|--------------------------------|----|
| 7000/7024 Controller | 80 |
| 7715 Controller | 84 |
| 3000 Controller | 86 |
| Beacon Receiver 400L & MINI | 87 |
| PowerSmart | 88 |
| Transportable Cases | 90 |
| Climate-Controlled AC Case | 92 |
| Transportable Skid 980+/Ka-98X | 93 |
| Transportable Skid 1200/1202 | 94 |
| Enclosed Skid | 95 |
| Cables | 96 |

Vertical Markets

| | |
|-------------------|----|
| Vertical Markets | 97 |
| Antenna Approvals | 98 |

Matrix (Specification Chart)

| | |
|--------|----|
| Matrix | 99 |
|--------|----|



New Gen DRIVEAWAY ANTENNAS



NewGen Drive-Aways

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Ka-75VP



Ka-74G



Ka-74H



Ka-75V



980+



Ka-98G



Ka-98V



Ka-98H/Jup



1202



Ka-1202V



Ka-1202G



1501



1801



Ka-75VP



TECHNICAL SPECIFICATIONS

The iNetVu® Ka-75VP Drive-Away Antenna is a 75 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any Viasat Enterprise Service deployed on Viasat1, Anik, and WildBlue satellites. The system works seamlessly with the iNetVu® 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere.

“Authorized for use on Viasat Enterprise service”



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm now supports both type of Transceivers: pTRIA and eTRIA
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the Viasat EG1000 modem (pTRIA) and the SurfBeam 2 Nomadic Modem (eTRIA)
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports ProBrand 75 cm Ka antenna
- Standard 2 year warranty



Application Versatility

If you operate in Ka-band, the Ka-75VP system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation mobile Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.



Ka-75VP



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 75cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$ |
| Azimuth | Full 360° in overlapping 200° sectors |
| Elevation | 0 - 90° |
| Polarization | Circular, Auto-switching (RHCP / LHCP) |
| Elevation Deploy Speed | Variable, 10°/sec typ. |
| Azimuth Deploy Speed | Variable, 10°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|---------------|--------------------------------|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Appendix A, Water Ingress per IP-66

Electrical

| | | |
|------------------------------|---|------------------|
| Rx & Tx Cable | RG6 cable - 10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 17.7 - 20.2 | 27.5 - 30.0 |
| Gain (dBi) | 40.6 @ 19.95 GHz | 44.4 @ 29.75 GHz |
| Feed Interface (Circular) | RG6 | RG6 |
| Nominal G/T | 18.5 dB/K | |
| Nominal EIRP | 48.4 dBW | |
| Radiation Pattern Compliance | FCC CFR Title 47 Part 25.138 ETSI EN 301 459 V.1.4.1 / ITU S.524.9 | |

RF Interface

| | |
|----------------|---|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from Transceiver to Base Connector |

Physical

| | |
|----------------------------|---|
| Mounting Plate | L: 131 cm (51.6") W: 45 cm (17.7") |
| Stowed Reflector Ext. Dims | L: 145 cm (57") W: 76 cm (29.9") H: 30 cm (11.8") |
| Deployed Height | 122 cm (48") |
| Platform Weight | 52 kg (115 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

System, with controller and standard set of cables, accessories
Crate (including Reflector, Feed/Transceiver):
185.5 cm x 112 cm x 68.5 cm (73" x 44" x 27"), 127 kg (280 lbs)
Crate (no Reflector, no Feed/Transceiver):
185.5 cm x 112 cm x 68.5 cm (73" x 44" x 27"), 118 kg (260 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements



Ka-74G



TECHNICAL SPECIFICATIONS

The iNetVu® Ka-74G Drive-Away Antenna is a 74 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu® 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere.



Approved On Eutelsat Konnect Services

Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5 kg (10 lbs) RF Transceiver
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the world's emerging commercial Ka modems and services
- 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Global Invacom & Gilat Ka-band Transceivers
- Standard 2 year warranty



Application Versatility

If you operate in Ka-band, the Ka-74G system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

Ka-74G



by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 74cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$ |
| Azimuth | Full 360° in overlapping 200° sectors |
| Elevation | 0 - 90° |
| Polarization | Circular, Auto-switching (RH or LH) |
| Elevation Deploy Speed | Variable, 10°/sec typ. |
| Azimuth Deploy Speed | Variable, 10°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|---------------|--------------------------------|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
 Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
 Shock Test per IEC 60068-2-27, Appendix A, Water Ingress per IP-66

Electrical

| | | |
|--------------------------------|--|-----------------|
| Rx & Tx Cable | 2 RG6 cables - 10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | | |
| | 3W-XRF 17.80 - 20.20 | 29.00 - 30.00 |
| | Konnnect 3W-XRF 17.70 - 20.20 | 29.00 - 30.00 |
| | (Optional) 3W - TRX01 21 18.10 - 20.20 | 29.00 - 30.00 |
| | (Optional) 4W - AN8025 17.70 - 20.20 | 29.00 - 30.00 |
| | (Optional) 4W - AN8023 17.70 - 20.20 | 28.10 - 29.10 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.5 dBi) | 41.6 @19.2 GHz | 45.3 @29.0 GHz |
| Antenna Noise Temp. (K) | 30° EL= 50 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| | 100λ / D < Ø < 20° | 29 - 25 Log Ø |
| | 20° < Ø < 26.3° | -3.5 |
| | 26.3° < Ø < 48° | 32-25 Log Ø |
| | 48° < Ø < 180° | -10 (typical) |
| Cross-Polarization | > 23 dB | > 25 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|---|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from Transceiver to Base Connector |

Physical

| | | |
|----------------------------|-----------|-----------|
| Mounting Plate | L: 131 cm | (51.6") |
| | W: 45 cm | (17.7") |
| Stowed Reflector Ext. Dims | L: 145 cm | (57") |
| | W: 76 cm | (29.9") |
| | H: 30 cm | (11.8") |
| Deployed Height | 122 cm | (48") |
| Platform Weight | 52 kg | (115 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

System, with controller and standard set of cables, accessories
 Crate (including Reflector, Feed/Transceiver):
 185.5 cm x 112 cm x 68.5 cm (73" x 44" x 27"), 127 kg (280 lbs)
 Crate (no Reflector, no Feed/Transceiver):
 185.5 cm x 112 cm x 68.5 cm (73" x 44" x 27"), 118 kg (260 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Ka-74H



TECHNICAL SPECIFICATIONS

The iNetVu® Ka-74H Drive-Away Antenna is a 74 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu® 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere.



Compliant for use on HNS Jupiter Satellite Services

Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm supports Jupiter radios
- Designed to work with the iNetVu® 7715 Controller
- Works with HNS Jupiter services
- 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Global Invacom 74cm Ka antenna
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band, the Ka-74H system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

Ka-74H

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 74cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | Full 360° in overlapping 200° sectors |
| Elevation | 0 - 90° |
| Polarization | Circular, Auto-switching (RH or LH) |
| Elevation Deploy Speed | Variable, 10°/sec typ. |
| Azimuth Deploy Speed | Variable, 10°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|---------------|--------------------------------|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Appendix A, Water Ingress per IP-66

Electrical

| | | |
|--------------------------------|-------------------------------|-----------------|
| Rx & Tx Cable | RG6 cable - 10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 17.70 - 20.20 | 28.0 - 30.0 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.5 dBi) | 41.6 @19.2 GHz | 45.3 @29.0 GHz |
| Antenna Noise Temp. (K) | 30° EL= 50 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100λ / D < Ø < 20° | 29 - 25 Log Ø | |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32-25 Log Ø | |
| 48° < Ø < 180° | -10 (typical) | |
| Cross-Polarization | > 23 dB | > 25 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|---|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from Transceiver to Base Connector |

Physical

| | |
|----------------------------|---|
| Mounting Plate | L: 131 cm (51.6") W: 45 cm (17.7") |
| Stowed Reflector Ext. Dims | L: 145 cm (57") W: 76 cm (29.9") H: 30 cm (11.8") |
| Deployed Height | 122 cm (48") |
| Platform Weight | 52 kg (115 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

System, with controller and standard set of cables, accessories
Crate (including Reflector, Feed/Transceiver):
185.5 cm × 112 cm × 68.5 cm (73" × 44" × 27"), 127 kg (280 lbs)
Crate (no Reflector, no Feed/Transceiver):
185.5 cm × 112 cm × 68.5 cm (73" × 44" × 27"), 118 kg (260 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Ka-75V



TECHNICAL SPECIFICATIONS

The iNetVu® Ka-75V Drive-Away Antenna is a 75 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu® 7024C Controller providing fast satellite acquisition within minutes, anytime anywhere.

“Authorized for use on ViaSat Exede® Enterprise and on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat”



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm now supports both type of Transceivers: Standard Tria and new eTRIA
- Designed to work with the iNetVu® 7024C Controller
- Works seamlessly with the world's emerging commercial ViaSat/KA-SAT satellite Surfbeam II/PRO Auto-acquire modems
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Global Invacom 75 cm Ka antenna
- Standard 2 year warranty



Application Versatility

If you operate in Ka-band, the Ka-75V system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation mobile Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

http://www.eutelsat.com/files/contributed/support/pdf/Eutelsat_Broadband_Services.pdf (p.12)
<http://www.eutelsat.com/files/contributed/products/pdf/KA-SAT-SNG-terminals.pdf>



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

Ka-75V



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 75cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$ |
| Azimuth | Full 360° in overlapping 200° sectors |
| Elevation | 0 - 90° |
| Polarization | Circular, Auto-switching |
| Elevation Deploy Speed | Variable, 10°/sec typ. |
| Azimuth Deploy Speed | Variable, 10°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|---------------|--------------------------------|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Appendix A, Water Ingress per IP-66

Electrical

| | | |
|---------------------------|----------------------------------|-----------------|
| Rx & Tx Cable | 2 RG6 cables - 10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 18.30 - 20.20 | 28.10 - 30.00 |
| Feed Interface (Circular) | RG6 | RG6 |
| Nominal G/T | 17.5 dB/K | |
| Nominal EIRP | 48.4 dBW | |

RF Interface

| | |
|----------------|---|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from Transceiver to Base Connector |

Physical

| | |
|----------------------------|---|
| Mounting Plate | L: 131 cm (51.6") W: 45 cm (17.7") |
| Stowed Reflector Ext. Dims | L: 145 cm (57") W: 76 cm (29.9") H: 30 cm (11.8") |
| Deployed Height | 122 cm (48") |
| Platform Weight | 52 kg (115 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

System, with controller and standard set of cables, accessories
Crate (including Reflector, Feed/Transceiver):
185.5 cm × 112 cm × 68.5 cm (73" × 44" × 27"), 127 kg (280 lbs)
Crate (no Reflector, no Feed/Transceiver):
185.5 cm × 112 cm × 68.5 cm (73" × 44" × 27"), 118 kg (260 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

980+

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 980+ Drive-Away Antenna is a 98 cm Ku-band auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu® 7024C Controller providing fast satellite acquisition within minutes, anytime anywhere.



980+ Stowed (with pod option)

Field Upgradable to Ka-98G or Ka-98V

Features

- One-Piece high surface accuracy, offset feed, SMC reflector
- Heavy duty feed arm capable of supporting up to 5Kg (10 lbs) RF Electronics (LNB & BUC)
- Designed to work with the iNetVu® 7024C Controller
- Works seamlessly with the world's most popular commercially available Ku modems and services
- Field Upgradable to Ka-98G or Ka-98V
- 3 Axis motorization
- Supports manual control when desired
- Supports hand cranks when required
- One button, auto-pointing controller acquires any Ku satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Based on GD 98 cm reflector with cross-pol feed
- Available with pod option
- Standard 2 year warranty

Application Versatility

If you operate in Ku, the 980+ system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. The system is also field upgradable to Ka-band. Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

10

980+

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Antenna SMC reflector, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | Full 360° in overlapping 200° sectors |
| Polarization | ±90° |
| Elevation | 0 - 90° |
| Elevation Deploy Speed | Variable, 10%/sec typ. |
| Azimuth Deploy Speed | Variable, 10%/sec typ. |
| Peaking Speed | 0.1%/sec |

Environmental

| | |
|---------------|--------------------------------|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures
 Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
 Shock Test per IEC 60068-2-27, Water Ingress per IP-66

RF Interface

| | |
|-----------------|---------------------------------|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U F Type / N Type (optional) |
| Axis transition | Twist-Flex Waveguide |

Physical

| | | |
|--|--------------------|-------------------|
| Mounting Plate | L: 156 cm (61.5") | W: 45 cm (17.7") |
| Stowed Reflector Ext. Dims (without pod) | L: 173 cm (68.0") | W: 99 cm (39.0") |
| | H: 33.4 cm (13.1") | |
| Stowed Reflector Ext. Dims (with pod) | L: 185 cm (73.2") | W: 114.5 cm (45") |
| | H: 33.4 cm (13.1") | |
| Deployed Height | 151 cm (59.5") | |
| Platform Weight | 54 kg (119 lbs) | |
| Pod weight alone | 6.8 kg (15lbs) | |
| Platform Weight (without pod) | 54 kg (119lbs) | |
| Platform Weight (with pod) | 60.8 kg (134lbs) | |

Electrical

| | |
|----------------|---------------------------------|
| Rx & Tx Cables | 2 RG6 cables -10 m (33 ft) each |
| Control Cables | |
| Standard | 10 m (33 ft) Ext. Cable |
| Optional | up to 60 m (200 ft) available |

Ku-band (Linear)

| | |
|--------------------------|--|
| Transmit Power | 1 to 200 Watt |
| Receive Frequency (GHz) | 10.70 - 12.75 ⁽¹⁾ |
| Optional | 10.70 - 11.70 |
| Transmit Frequency (GHz) | 13.75 - 14.50 |
| Optional | 12.75 - 14.50 |
| Midband Gain (±0.2 dB) | |
| (Rx) | 39.80@12.00 GHz |
| (Tx) | 41.30@14.30 GHz |
| Antenna Noise Temp. (K) | 10° EL=53 20° EL= 39 30° EL= 32 Max. |

| | |
|---------------------------------|---------------|
| Sidelobe Envelope, Co-Pol (dBi) | |
| 100λ/D < Ø < 20° | 29 - 25 Log Ø |
| 20° < Ø < 26.3° | -3.5 |
| 26.3° < Ø < 48° | 32 - 25 Log Ø |
| 48° < Ø < 180° | -10 (typical) |

| | |
|----------------------|---------------|
| Cross-Polarization | |
| Standard feed: | |
| Within 1 dB contour: | -30dB (Max.) |
| Any Angle off Axis: | -25 dB (Max.) |

| | |
|-------------------------|---------------|
| Optional Eutelsat Feed: | |
| Within 1 dB contour | < 30dB (Min.) |
| VSWR Rx | 1.3:1 |
| VSWR Tx | 1.3:1 |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

iNetVu 980+ system, controller and standard set of cables, accessories
 Mount Crate: 186 cm × 112 cm × 69 cm (73" × 44" × 27"), 136 kg (300 lbs)
 POD box: 127cm × 41cm × 127cm (50" × 16" × 50"), 23 kg (50 lbs)
 Total Weight with POD: 159kg (350lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Note:

⁽¹⁾ LNB PLL Type required with stability better than ± 25 KHz

Ka-98G

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] Ka-98G Drive-Away Antenna is a 98 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu[®] 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere.



Ka-98G Stowed (with pod option)

**Avanti Approved & Thor7 Type Approved;
Field Upgradeable to Ku-band**

Features

- One-Piece high surface accuracy, offset feed, SMC reflector
- Heavy duty feed arm capable of supporting up to 5kg (10 lbs) RF transceiver
- Designed to work with the iNetVu[®] 7715 Controller
- Works seamlessly with the world's most popular commercially available Ka modems and services
- 2 Axis motorization (3 Axis Optional)
- Supports manual control when required
- One button, auto-pointing controller acquires any Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Locates satellites using the most advanced satellite acquisition methods
- Supports Global Inacom 98 cm Ka antenna and 3W transceiver
- Avanti Approved; Thor7 Type Approved; also compliant with Gilat/iDirect/Newtec Ka services
- Available with pod option
- Standard 2 year warranty

avanti Approved Compatibility



Application Versatility

If you operate in Ka-band, the Ka-98G system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

<http://www.avantiplc.com/avanti-approved-compatibility>

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

12

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | Full 360° in overlapping 200° sectors |
| Elevation | 0 - 90° |
| Polarization | LHCP/RHCP (Motorized Option Available) |
| Elevation Deploy Speed | Variable, 10%/sec typ. |
| Azimuth Deploy Speed | Variable, 10%/sec typ. |
| Peaking Speed | 0.1%/sec |

Environmental

| | |
|---------------|--------------------------------|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures
 Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
 Shock Test per IEC 60068-2-27, Water Ingress per IP-66

Electrical

| | | |
|----------------------------------|---|------------------|
| Rx & Tx Cables | 2 RG6 cables -10 m (33 ft) each | |
| Control Cables | 10 m (33 ft) Ext. Cable | |
| Standard | up to 60 m (200 ft) available | |
| Optional | | |
| Frequency (GHz) | Receive | Transmit |
| 3W -XRC | 19.20 - 20.20 | 29.50 - 30.00 |
| (Optional) 3W-XRF | 17.80 - 20.20 | 29.00 - 30.00 |
| (Optional) 10/20W-XRJ | 17.70 - 20.20 | 27.50 - 30.00 |
| (Optional) 3W- TRX0121 | 18.10 - 20.20 | 29.00 - 30.00 |
| (Optional) 4W - AN8025 | 17.70 - 20.20 | 29.00 - 30.00 |
| (Optional) 4W - AN8023 | 17.70 - 20.20 | 28.10 - 29.10 |
| (Optional) 2 Port CP feed | 19.40 - 21.20 | 29.20 - 31.00 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.2 dBi) | 44.10 @19.25 GHz | 47.60 @29.15 GHz |
| Antenna Noise Temp. (K) | 10° EL= 88; 20° EL= 62; 30° EL= 51 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100λ / D < Ø < 20° | 29 - 25 Log Ø | |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32-25 Log Ø | |
| 48° < Ø < 180° | -10 (typical) | |
| Cross-Polarization (1dB Cantour) | > -25 dB | > -25 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|---|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from Transceiver to Base Connector |

Physical

| | | |
|--|---------------------|-------------------|
| Mounting Plate | L: 161 cm (63.5") | W: 45 cm (17.7") |
| Stowed Reflector Ext. Dims (without reflector pod) | L: 170 cm (66.9") | W: 100 cm (39.5") |
| H: 30 cm (11.8") | | |
| Stowed Reflector Ext. Dims (with reflector pod) | L: 178.8 cm (70.4") | W: 113 cm (44.5") |
| H: 30 cm (11.8") | | |
| Deployed Height | 151 cm (59.5") | |
| Platform Weight | 54 kg (119 lbs) | |
| Reflector back cover | 2.27 kg (5 lbs) | |
| Pod alone | 6.8 kg (15 lbs) | |
| Total Platform Weight (without reflector pod) | 56.3 kg (124 lbs) | |
| Total Platform Weight (with reflector pod) | 63 kg (139 lbs) | |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Crate: 183 cm x 109 cm x 66 cm (72" x 43" x 26"), 52 kg (114 lbs)
 Platform: 54 kg (119 lbs)
 7715 Controller: 6 kg (13 lbs)
 Cables: 5 kg (11 lbs)

Total weight without pod: 117 kg (258 lbs)

Pod inside shipping box:
 33 cm x 127 cm x 127 cm (13" x 50" x 50"), 16.1 kg (35.5 lbs)

Transportable Case includes Platform (Optional):
 Platform Case: 183 cm x 109 cm x 47 cm (72" x 43" x 18.5"), 133.5 kg (294 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Ka-98V

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] Ka-98V Drive-Away Antenna is a 98 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu[®] 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere.

Eutelsat Type Approved for Broadband Services



Features

- One-Piece high surface accuracy, offset feed, SMC reflector
- Heavy duty feed arm supports new eTRIA Transceiver
- Designed to work with the iNetVu[®] 7715 Controller
- Works seamlessly with the world's emerging commercial ViaSat / KA-SAT satellite Surfbeam II modems
- Eutelsat Type Approved for Broadband Services*
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Locates satellites using the most advanced satellite acquisition methods
- Supports Global Invacom 98cm Ka antenna
- Available with pod option
- Standard 2 year warranty



Stowed (with pod option)

Application Versatility

If you operate in Ka-band, the Ka-98V system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation mobile Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

14

Ka-98V

iNetVu[®]

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$ |
| Azimuth | Full 360° in overlapping 200° sectors |
| Elevation | 0 - 90° |
| Elevation Deploy Speed | Variable, 10°/sec typ. |
| Azimuth Deploy Speed | Variable, 10°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|---------------|--------------------------------|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Water Ingress per IP-66

Electrical

| | | |
|--------------------------------------|---------------------------------|------------------|
| Rx & Tx Cables | 2 RG6 cables -10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 18.30 - 20.20 | 28.10 - 30.0 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.2 dBi) | 43.50 @19.75 GHz | 46.60 @29.75 GHz |
| Antenna Noise Temp. (K) | 30° EL= 62 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| $100\lambda / D < \theta < 20^\circ$ | 29 - 25 Log θ | |
| $20^\circ < \theta < 26.3^\circ$ | -3.5 | |
| $26.3^\circ < \theta < 48^\circ$ | 32-25 Log θ | |
| $48^\circ < \theta < 180^\circ$ | -10 (typical) | |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|---|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from Transceiver to Base Connector |

Physical

| | | |
|--|---------------------|-------------------|
| Mounting Plate | L: 161 cm (63.5") | W: 45 cm (17.7") |
| Stowed Reflector Ext. Dims (without reflector pod) | L: 170 cm (66.9") | W: 100 cm (39.5") |
| H: 30 cm (11.8") | | |
| Stowed Reflector Ext. Dims (with reflector pod) | L: 178.8 cm (70.4") | W: 113 cm (44.5") |
| H: 30 cm (11.8") | | |
| Deployed Height | 151 cm (59.5") | |
| Platform Weight | 54 kg (119 lbs) | |
| Reflector back cover | 2.27 kg (5 lbs) | |
| Pod alone | 6.8 kg (15 lbs) | |
| Total Platform Weight (without reflector pod) | 56.3 kg (124 lbs) | |
| Total Platform Weight (with reflector pod) | 63 kg (139 lbs) | |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Crate: 183 cm x 109 cm x 66 cm (72" x 43" x 26"), 52 kg (114 lbs)
Platform: 54 kg (119 lbs)
7715 Controller: 6 kg (13 lbs)
Cables: 5 kg (11 lbs)

Total weight without pod: 117 kg (258 lbs)

Pod inside shipping box:
33 cm x 127 cm x 127 cm (13" x 50" x 50"), 16.1 kg (35.5 lbs)

Transportable Case includes Platform (Optional):
Platform Case: 183 cm x 109 cm x 47 cm (72" x 43" x 18.5"), 133.5 kg (294 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Ka-98H/Jup

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] Ka-98H/Jup Drive-Away Antenna is a 98 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu[®] 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere.



"Approved for operation on Hughes JUPITER System"

Features

- One-Piece high surface accuracy, offset feed, SMC reflector
- Heavy duty feed arm capable of supporting up to 5kg (10 lbs) RF Electronics (LNB & BUC) or transceiver
- Designed to work with the iNetVu[®] 7715 Controller
- Adapted to operate on HNS Jupiter based Network Technology
- 2 or 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Locates satellites using the most advanced satellite acquisition methods
- Supports GD/HNS 98cm Ka antenna
- Works with HNS Jupiter (NA)(1), YAHSAT (MENA)(1) and Avanti(1)
- Standard 2 year warranty

HUGHES.

Application Versatility

If you operate in Ka-band, the Ka-98H/Jup system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

16

Ka-98H/Jup



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Elliptical Antenna, Offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass $\pm 2^\circ$ Tilt sensor ± 0.1 |
| Azimuth | Full 360° in overlapping 200° sectors |
| Elevation | 0 - 90° |
| Elevation Deploy Speed | Variable, 10°/sec typ. |
| Azimuth Deploy Speed | Variable, 10°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|---------------|--------------------------------|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Water Ingress per IP-66

Electrical

| | | |
|--------------------------------------|-------------------------------|-----------------|
| I/F Cable | 1 RG6 cable - 10 m (33 ft) | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 19.20 - 20.20 | 29.50 - 30.00 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (± 0.2 dBi) | 43.50 @19.75 GHz | 46.60 @29.75GHz |
| Antenna Noise Temp. (K) | 30° EL= 62 Max. | |
| Sidelobe Envelope, Co-Pol (dBi) | | |
| $100\lambda / D < \theta < 20^\circ$ | 29 - 25 Log θ | |
| $20^\circ < \theta < 26.3^\circ$ | -3.5 | |
| $26.3^\circ < \theta < 48^\circ$ | 32-25 Log θ | |
| $48^\circ < \theta < 180^\circ$ | -10 (typical) | |
| Cross-Polarization | > -24 dB | > -22 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|---|
| Radio Mounting | Feed Arm ⁽¹⁾ |
| Coaxial | RG6U from Transceiver to Base Connector |

Physical

| | | |
|----------------------------|-------------------|-------------------|
| Mounting Plate | L: 151 cm (59.5") | W: 45 cm (17.7") |
| Stowed Reflector Ext. Dims | L: 173 cm (68.1") | W: 100 cm (39.5") |
| | H: 30 cm (11.8") | |
| Deployed Height | 151 cm (59.5") | |
| Platform Weight | 54 kg (119 lbs) | |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Crate: 183 cm x 109 cm x 66 cm (72" x 43" x 26"), 52 kg (115 lbs)
Platform: 54 kg (119 lbs)
7715 Controller: 6 kg (13 lbs)
Cables: 5 kg (11 lbs)

Total weight: 117 kg (258 lbs)

Transportable Case Option:

Base Case: 183 cm x 109 cm x 47 cm (72" x 43" x 18.5"), 133.5 kg (294 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

(1) Supported Radios: Jupiter Radios motorized with Rotary Joint

1202

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 1202 Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Its reflector optics feature a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7715 Controller to ensure excellent pointing accuracy.



Field Upgradable to Ka-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover or optional Carbon Fibre Reflector
- Low stow height, high-precision
- 35 dB crosspol for large carrier uplinking
- Patented sleek aerodynamic form (Patent # D696649 & D696650)
- Designed to work with the iNetVu® 7715 Controller
- Supports hand cranks when required
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes (<3 minutes with Beacon Receiver)
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Supports Skyware 1.2m antenna, Type 125 or Carbon
- Wind deflector pod (optional)
- 2-piece thermoset-molded reflector (optional)
- Eutelsat* characterized and Intelsat compliant
- Standard 2 year warranty

Application Versatility

The 1202 drive-away system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up typically for industries such as SNG, Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

* Static performance: http://www.eutelsat.com/files/contributed/support/pdf/RF_Characterisation.pdf
Auto-pointing performance: http://www.eutelsat.com/files/contributed/satellites/pdf/Autopointing_Antennas.pdf

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

18

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|---------------------------|--|
| Reflector Size & Material | 1.2m Glass fibre reinforced polyester ⁽¹⁾ |
| Optional | Carbon Reflector |
| Platform Geometry | Elevation over Azimuth |
| Offset Angle | 16.97° |
| Antenna Optics | One-piece offset feed, prime focus |
| Azimuth Travel | ± 200° |
| Elevation Look Angle | 0° to 90° |
| Polarization Travel | ± 95° |
| Elevation Deploy Speed | 2°/sec |
| Azimuth Deploy Speed | 6°/sec |
| Peaking Speed | 0.2°/sec |
| Motor Voltage | 24 VDC 10 Amp (Max.) |

Environmental

| | |
|---|--------------------------------|
| Wind loading | |
| Operational | 75 km/h (46.5 mph) |
| Survival | |
| Deployed | 112 km/h (70 mph) |
| Stowed | 225 km/h (140 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 70° C (-40° to 158° F) |
| Solar Radiation | 360 BTU/h/sq. ft. |
| Rain | 1.3 cm/h (0.51 in/h) |
| Humidity | 0-100% (condensing) |
| Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures | |
| Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked | |
| Shock Test per IEC 60068-2-27 | |

Electrical

| | |
|----------------|----------------------------------|
| Rx & Tx Cables | 2 RG6 Cables - 10 m (33 ft) each |
| Control Cables | |
| Standard | 10 m (33 ft) Extension Cable |
| Optional | Up to 30 m (100 ft) available |

RF Interface

| | |
|-----------------|-------------------------|
| Radio Mounting | Feed arm/Inside vehicle |
| Coaxial | RG6U F Type |
| | N Type (optional) |
| Axis transition | Twist-Flex Waveguide |

Physical

| | | |
|-----------------------------|-------------------|-------------------|
| Stowed dimensions | L: 203 cm (79.9") | W: 124 cm (48.8") |
| (without pod) | H: 35 cm (13.8") | |
| Stowed Dimensions | L: 225 cm (88.5") | W: 135 cm (53.2") |
| (with pod) | H: 35 cm (13.8") | |
| Reflector Weight - SMC | 16 kg (35.2 lbs) | |
| Carbon | 7.9 kg (17.4 lbs) | |
| Total Platform Weight - SMC | 82 kg (180 lbs) | |
| Carbon | 74 kg (163 lbs) | |
| Total Platform Weight - SMC | 88 kg (193 lbs) | |
| (with pod) | | |

Ku (Linear)

| | | |
|---------------------------------|------------------------------|-----------------|
| Transmit Power | 1 to 200 watt ⁽²⁾ | |
| Feed | 2 Port XPol | |
| | Receive | Transmit |
| Frequency (GHz) | 10.70 - 12.75 ⁽³⁾ | 13.75 - 14.50 |
| (Optional) | 10.70 - 11.70 | 12.75 - 14.50 |
| Feed Interface | WR75 | WR75 |
| Midband Gain Co-Pol (± 0.2dBi) | 42.20 | 43.30 |
| Antenna Noise Temp. (K) | 10° EL = 45 / 30° EL = 24 | |
| Sidelobe Envelope, Co-Pol (dBi) | | |
| 1.5° < θ < 20° | 29-25 Log θ | |
| 20° < θ < 26.3° | -3.5 | |
| 26.3° < θ < 48° | 32-25 Log θ | |
| 48° < θ < 180° | -10 (Typical) | |
| Cross-Polarization on Axis | > 35 dB | |
| Within 1 dB Beamwidth | > 30 dB | |
| Tx/Rx Isolation | > 40 dB | 90 dB |
| VSWR | 1.3:1 | 1.3:1 |

Shipping Weights & Dimensions*

Platform Crated: 211 cm x 41 cm x 61 cm (83" x 16" x 24"), 121 kg (267 lbs)
 Reflector Crate: 142 cm x 15 cm x 130 cm (56" x 6" x 51"), 22 kg (48 lbs)
 Pod: 160 cm x 15 cm x 140 cm (63" x 6" x 55"), 12kg (27 lbs)

Total Weight without pod: 143 kg (315 lbs)
 Total Weight with pod: 155 kg (342 lbs)

Transportable Case Options:

Platform: 211 cm x 65 cm x 45 cm (83" x 25.75" x 17.75") 132 kg (290 lbs)

Reflector: 1- piece:

127 cm x 122 cm x 20 cm (50" x 48" x 8"), 45.5 kg (100 lbs)

Reflector: 2- piece: (Optional)

132 cm x 31 cm x 76 cm (52" x 12" x 30"), 34 kg (74 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

⁽¹⁾ Antenna based on Skyware, Model 125

⁽²⁾ Depending on size and weight for feed arm mounting limitation, Eutelsat Characterized up to 40 watt BUC with Tx XPD >25 dB within 1 dB Contour

⁽³⁾ LNB PLL Type required with stability better than ± 25 KHz

Ka-1202V

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] Ka-1202V Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. All axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu[®] 7715 Controller to ensure excellent pointing accuracy.



Field Upgradable to Ku-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Low stow height
- Designed to work with the iNetVu[®] 7715 Controller
- Supports hand cranks when required
- One button, auto-pointing controller acquires ViaSat or KA-SAT Ka-band satellite within 2 minutes
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Supports ViaSat/General Dynamics 1.2m Ka antenna
- 2-piece thermoset-molded reflector (optional)
- Compliant with commercial Ka Services (Exede & toowayTM)
- Standard 2 year warranty



Application Versatility

The Ka-1202V drive-away system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up typically for industries such as SNG, Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

20

Ka-1202V

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|---------------------------|--|
| Reflector Size & Material | 1.2m Glass Fibre Reinforced Polyester SMC ⁽¹⁾ |
| Platform Geometry | Elevation over Azimuth |
| Offset Angle | N/A |
| Antenna Optics | One-piece offset feed, prime focus |
| Azimuth Travel | ± 200° |
| Elevation Look Angle | 0° to 90° |
| Elevation Deploy Speed | 2°/sec |
| Azimuth Deploy Speed | 6°/sec |
| Peaking Speed | 0.2°/sec |
| Motor Voltage | 24 VDC 10 Amp (Max.) |

Environmental

| | |
|-----------------|--------------------------------|
| Wind loading | |
| Operational | 72 km/h (45 mph) |
| Survival | |
| Deployed | 112 km/h (70 mph) |
| Stowed | 225 km/h (140 mph) |
| Temperature | |
| Operational | -30° to 55° C (-22° to 131° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Solar Radiation | 360 BTU/h/sq. ft. |
| Rain | 1.3 cm/h (0.51 in/h) |
| Humidity | 0-100% (condensing) |

Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27

Electrical

| | |
|----------------|--------------------------------------|
| Rx & Tx Cables | Single IFL, RG6 cable - 10 m (33 ft) |
| Control Cables | |
| Standard | 10 m (33 ft) Extension Cable |
| Optional | Up to 30 m (100 ft) available |

RF Interface

| | |
|----------------|-------------------------|
| Radio Mounting | Feed arm/Inside vehicle |
| Coaxial | RG6U F type |

Physical

| | | |
|--|---------------------------------------|-------------------|
| Stowed dimensions | L: 203 cm (79.9") H: 35 cm (13.8") | W: 124 cm (48.8") |
| Reflector Weight (including back cover) | 16 kg (35.2 lbs) | |
| Total Platform Weight | 82 kg (180 lbs) | |

Ka-band

| | Receive | Transmit |
|---------------------------------|----------------------------|---------------|
| Frequency (GHz) | 19.70 - 20.20 | 29.50 - 30.00 |
| Midband Gain Co-Pol (± 0.2dBi) | 46.50 | 49.60 |
| G/T | 23.6 dB/K | |
| Antenna Noise Temp. (K) | 20° EL = 107 / 40° EL = 89 | |
| Sidelobe Envelope, Co-Pol (dBi) | | |
| 1.5° < θ < 20° | 29-25 Log θ | |
| 20° < θ < 26.3° | -3.5 | |
| 26.3° < θ < 48° | 32-25 Log θ | |
| 48° < θ < 180° | -10 (Typical) | |
| Cross-Pol Within 1dB BW | >22.0 dB | >22.0 dB |
| VSWR | 1.3:1 | 1.3:1 |

Shipping Weights & Dimensions*

Platform Crated: 211 cm x 41 cm x 61 cm (83" x 16" x 24"), 121 kg (267 lbs)
Reflector Crate: 142 cm x 15 cm x 130 cm (56" x 6" x 51"), 22 kg (48 lbs)
Total Weight: 143 kg (315 lbs)

Transportable Case Options:

Platform: 211 cm x 65 cm x 45 cm (83" x 25.75" x 17.75") 132 kg (290 lbs)
Reflector: 1- piece:
127 cm x 122 cm x 20 cm (50" x 48" x 8"), 45.5 kg (100 lbs)
Reflector: 2- piece: (Optional)
132 cm x 31 cm x 76 cm (52" x 12" x 30"), 34 kg (74 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

⁽¹⁾ Antenna based on General Dynamics

Ka-1202G

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] Ka-1202G Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. All axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu[®] 7715 Controller to ensure excellent pointing accuracy.



Field Upgradable to Ku-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Low stow height
- Designed to work with the iNetVu[®] 7715 Controller
- Supports hand cranks when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Supports General Dynamics 1.2m Ka antenna
- Compliant with commercial Ka Services (Avanti/Gilat/Newtec)
- Optional 3W & 5W transceivers; higher BUCs also supported
- Standard 2 year warranty

Application Versatility

The Ka-1202G drive-away system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up typically for industries such as SNG, Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

22

Ka-1202G

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|---------------------------|--|
| Reflector Size & Material | 1.2m Glass Fibre Reinforced Polyester SMC ⁽¹⁾ |
| Platform Geometry | Elevation over Azimuth |
| Offset Angle | N/A |
| Antenna Optics | One-piece offset feed, prime focus |
| Azimuth Travel | ± 200° |
| Elevation Look Angle | 0° to 90° |
| Elevation Deploy Speed | 2°/sec |
| Azimuth Deploy Speed | 6°/sec |
| Peaking Speed | 0.2°/sec |
| Motor Voltage | 24 VDC 10 Amp (Max.) |

Environmental

| | |
|-----------------|--------------------------------|
| Wind loading | |
| Operational | 72 km/h (45 mph) |
| Survival | |
| Deployed | 112 km/h (70 mph) |
| Stowed | 225 km/h (140 mph) |
| Temperature | |
| Operational | -30° to 55° C (-22° to 131° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Solar Radiation | 360 BTU/h/sq. ft. |
| Rain | 1.3 cm/h (0.51 in/h) |
| Humidity | 0-100% (condensing) |

Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27

Electrical

| | |
|----------------|-------------------------------|
| Rx & Tx Cables | 2 RG6 cables |
| Control Cables | |
| Standard | 10 m (33 ft) Extension Cable |
| Optional | Up to 30 m (100 ft) available |

RF Interface

| | |
|----------------|----------|
| Radio Mounting | Feed arm |
|----------------|----------|

Physical

| | |
|------------------------|-------------------|
| Stowed dimensions | L: 203 cm (79.9") |
| (48.8") | W: 124 cm |
| (13.8") | H: 35 cm |
| Reflector Weight | 16 kg (35.2 lbs) |
| (including back cover) | |
| Total Platform Weight | 82 kg (180 lbs) |

Ka-Band

| | Receive | Transmit |
|--------------------------------|--------------------------|---------------|
| Frequency (GHz) | | |
| 3W-XRC | 19.20 - 20.20 | 29.50 - 30.00 |
| (Optional) 3W-XRF | 17.80 - 20.20 | 29.00 - 30.00 |
| (Optional) 3W-TRX0121 | 18.10 - 20.20 | 29.00 - 30.00 |
| (Optional) 4W - AN8025 | 17.70 - 20.20 | 29.00 - 30.00 |
| (Optional) 4W - AN8023 | 17.70 - 20.20 | 28.10 - 29.10 |
| Midband Gain (± .2dB) | 46.5 | 49.9 |
| EIRP (Nominal) | 54 dBW @ 29.75 GHz | |
| G/T (Nominal) | 23.6 dB/K @ 19.95 GHz | |
| Antenna Noise Temp. (K) | 20° EL= 107 / 40° EL= 89 | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 1.5° <Θ < 20° | 29-25 LogΘ | |
| 20° <Θ < 26.3° | -3.5 | |
| 26.3° <Θ < 48° | 32-25 LogΘ | |
| 48° <Θ < 180° | -10 Typical | |
| Cross Pol within 1dB contour | > 22 dB | |
| VSWR | 1.3:1 (Max.) | > 22 dB |

Ka-Band (R/O Circular)

| | Receive |
|-----------------|-------------|
| Frequency (GHz) | 17.0 - 22.2 |
| Feed Interface | WR42 |

Shipping Weights & Dimensions*

Platform Crated: 211 cm x 41 cm x 61 cm (83" x 16" x 24"), 121 kg (267 lbs)
Reflector Crate: 142 cm x 15 cm x 130 cm (56" x 6" x 51"), 22 kg (48 lbs)
Total Weight: 143 kg (315 lbs)

Transportable Case Options:

Platform: 211 cm x 65 cm x 45 cm (83" x 25.75" x 17.75") 132 kg (290 lbs)
Reflector: 1- piece:
127 cm x 122 cm x 20 cm (50" x 48" x 8"), 45.5 kg (100 lbs)
Reflector: 2- piece: (Optional)
132 cm x 31 cm x 76 cm (52" x 12" x 30"), 34 kg (74 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

⁽¹⁾ Antenna based on General Dynamics

1501

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 1501 Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Its reflector optics feature a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7715 Controller to ensure excellent pointing accuracy.



Features

- 1.5m Offset, prime focus, carbon fibre reflector
- Low stow height
- 35 dB crosspol for large carrier uplinking
- Designed to work with the iNetVu® 7715 Controller
- Supports hand cranks when required
- Supports up to 200W Redundant BUC directly on feed arm
- One button, auto-pointing controller acquires any satellite within 2 minutes
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Standard 2 year warranty

Application Versatility

The 1501 drive-away system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up typically for industries such as SNG, Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

24

1501

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|---------------------------|------------------------------------|
| Reflector Size & Material | 1.5m Carbon Fibre |
| Platform Geometry | Elevation over Azimuth |
| Offset Angle | 16.97° |
| Antenna Optics | One-piece offset feed, prime focus |
| Azimuth Travel | ± 200° |
| Elevation Look Angle | 0° to 90° |
| Polarization Travel | ± 95° |
| Elevation Deploy Speed | 2°/sec |
| Azimuth Deploy Speed | 6°/sec |
| Peaking Speed | 0.2°/sec |
| Motor Voltage | 24 VDC 10 Amp (Max.) |

Environmental

| | |
|---|----------------------------------|
| Wind loading | |
| Operational | 72 km/h (45 mph) |
| Survival | |
| Deployed | 112 km/h (70 mph) |
| Stowed | 225 km/h (140 mph) |
| Temperature | |
| Operational | -30° to 55° C (-22° to 131° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Solar Radiation | 1000Kcal/h/m (360 BTU/h/sq. ft.) |
| Rain | 10 cm/h (4 in/h) |
| Humidity | 0-100% (condensing) |
| Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures | |
| Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked | |
| Shock Test per IEC 60068-2-27 | |

Antenna Bands

| | | | | | | |
|---------------------------------|------------------------------|-----------------|--|-----------------|------------------------------|---------------------------------------|
| Transmit Power ⁽¹⁾ | 1 to 400 watt | | | | • 1 to 125 watt | |
| Feed | 2 Port XPol | | | | | |
| | <i>Ku-Linear</i> | | <i>C-Linear (Std/INSAT) ⁽³⁾</i> | | <i>X Band ⁽³⁾</i> | <i>Ka - Linear R/O ⁽³⁾</i> |
| | Receive | Transmit | Receive | Transmit | Receive | Transmit |
| Frequency (GHz) | 10.70 - 12.75 ⁽²⁾ | 13.75 - 14.50 | 3.40 - 4.20 ⁽²⁾ | 5.850 - 6.725 | 7.25-7.75 | 7.90-8.40 |
| Optional | 10.70 - 11.70 | 12.75 - 14.50 | 4.50 - 4.80 | 6.725 - 7.025 | | |
| Feed Interface | WR75 | WR75 | CPR-229 | N or CPR-137 | | |
| Midband Gain Co-Pol (± 0.2dBi) | 43.70 | 45.00 | 33.40 | 37.20 | | |
| Antenna Noise Temp. (K) | 10° EL = 65 / 20° EL = 58 | | 10° EL = 45 / 20° EL = 40 | | | |
| Sidelobe Envelope, Co-Pol (dBi) | | | | | | |
| 1.5° < θ < 20° | Meets ITU 580, INTELSAT | | IESS 601 STD G | | DSCS Req. | |
| 20° < θ < 26.3° | -3.5 | | -3.5 | | | |
| 26.3° < θ < 48° | 32-25 Log θ | | 32-25 Log θ | | | |
| 48° < θ < 180° | -10 (Typical) | | -10 (Typical) | | | |
| Cross-Polarization on Axis | > 35 dB | | > 30 dB | | | |
| Within 1dB Beamwidth | > 30 dB | | > 26 dB | | | |
| Tx/Rx Isolation | > 40 dB | 90 dB | > 60 dB | 35 dB | | |
| VSWR | 1.3:1 | 1.3:1 | 1.5:1 | 1.3:1 | 1.25:1 (Max.) | |

Notes: ⁽¹⁾ Depending on size and weight for feed arm mounting limitation ⁽³⁾ Call your C-COM sales representative for availability
⁽²⁾ LNB PLL Type required with stability better than ± 25 KHz ⁽⁴⁾ Offered on platforms only

Electrical

| | |
|----------------|----------------------------------|
| Rx & Tx Cables | 2 RG6 Cables - 10 m (33 ft) each |
| Control Cables | |
| Standard | 10 m (33 ft) Extension Cable |
| Optional | Up to 30 m (100 ft) available |

RF Interface

| | |
|-----------------|-------------------------------------|
| Radio Mounting | Feed arm/Inside vehicle |
| Coaxial | RG6U F Type N Type (optional) |
| Axis transition | Rotary Joint + Twist-Flex Waveguide |

Physical

| | | |
|-----------------------|--------------------|-------------------|
| Stowed dimensions | L: 214 cm (84.25") | W: 154 cm (60.5") |
| | H: 40 cm (15.75") | |
| Reflector Weight | 11.3 kg (25 lbs) | |
| Platform Weight | 72.7 kg (160 lbs) | |
| Total Platform Weight | 84 kg (185 lbs) | |

Shipping Weights & Dimensions*

Platform Crated: 211 cm x 41 cm x 61 cm (83" x 16" x 24"), 118 kg (260 lbs)
 Reflector Crate: 168cm x 168cm x 48cm (66" x 66" x 19"), 116.3 kg (256 lbs)
 Total Weight: 234.3 kg (516 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)

www.c-comsat.com

Specifications are subject to change

May 2024

25

1801

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 1801 Drive-Away Antenna is a 1.8m auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu® 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere.



Features

- One-Piece precision offset, thermoset-molded reflector with back cover
- Optional 2pcs and 4pcs reflector available
- Heavy duty feed arm capable of supporting up to 11kg (25 lbs) RF Electronics (LNB & BUC)
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 3 Axis motorization
- Supports manual control and hand crank when required
- One button, auto-pointing controller acquires any Ku or C band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Global Invacom 1.8m antenna Type 183
- Standard 2 year warranty

Application Versatility

Whether you operate in Ku or C band, the 1801 system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

26

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|--------------------------------|---|
| Reflector | 1.8m prime focus, offset feed, SMC ⁽¹⁾ |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors GPS Antenna | Compass ± 2°, Tilt Sensor ± 0.2° |
| F/D Ratio | 0.61 |
| Azimuth | Full 360° in overlapping, 200° sectors |
| Elevation | 0° to 90° |
| Polarization | ± 95° |
| Elevation Deploy Speed | Variable 2° /sec typ. |
| Azimuth Deploy Speed | Variable 15° /sec typ., 10° /sec typ. |
| Peaking Speed | 0.1° /sec |
| Motor Voltage | 24VDC 15 Amp (Max.) |

Environmental

| | |
|---|--------------------------------|
| Wind loading | |
| Operational | 80 km/h (50 mph) |
| Survival | |
| Deployed | 112 km/h (70 mph) |
| Stowed | 225 km/h (140 mph) |
| Temperature | |
| Operational | -30° to 55° C (-22° to 131° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Thermal Test per MIL-STD-810F, Method 501.4, High/Low Temperatures | |
| Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked | |
| Shock Test per IEC 60068-2-27 | |

Electrical

| | |
|----------------|-------------------------------|
| Rx & Tx Cables | 2 RG6 Cables |
| Control Cables | |
| Standard | 10 m (33 ft) Extension Cable |
| Optional | Up to 45 m (150 ft) available |

RF Interface

| | |
|----------------------|---|
| Radio Mounting | Feed arm/ Inside vehicle |
| Coaxial | RG6U from feedhorn to base plate |
| Axis Transition | Twist-Flex Waveguide |
| Electrical Interface | 9.1m (30 ft) ext. cables w/MIL connectors |
| VSWR | Tx 1.3:1 |

Physical

| | |
|-------------------|--|
| Mounting Plate | L: 169.8 cm (66.9") W: 55 cm (21.7") |
| Stowed Dimensions | L: 265 cm (104.3") W: 180.1 cm (70.9") H: 50 cm (19.7") |
| Deployed Height | 255 cm (100.4") |
| Reflector weight | 39.2 kg (86.5 lbs) |
| Platform weight | 145.8 kg (321.5 lbs) |

- Notes: ⁽¹⁾ Antenna based on Skyware Global, Type 183
⁽²⁾ Depending on size and weight for feed arm mounting limitation
⁽³⁾ LNB PLL Type required with stability better than ± 25 KHz
⁽⁴⁾ Feed can support up to 14.80 GHz

Ku-Band (Linear Orthogonal)

| | Receive | Transmit |
|----------------------------|-------------------------------------|----------------------------|
| Transmit Power | 1 to 200 watt ⁽²⁾ | |
| Frequency (GHz) | 10.70-12.75 ⁽³⁾ | 13.75-14.50 ⁽⁴⁾ |
| (Optional) | 10.70-11.70 | 12.75-14.50 |
| Feed Interface | WR75 | WR75 |
| Efficiency | 70% | 70% |
| Midband Gain (± 0.2dBi) | 45.30 | 46.80 |
| Antenna Noise Temp. (K) | 10° EL= 43 / 20° EL= 28 / 30° EL=23 | |
| Sidelobe Envelope, | 20°<θ<20° | 29-25 Log θ |
| Co-Pol (dBi) | 20°<θ<26.3° | -3.5 |
| | 26.3°<θ<48° | 32-25 Log θ |
| | 48°<θ<180° | -10 (Average) |
| Cross-Polarization on Axis | -30 dB | |
| Within 0.5 dB Beamwidth | -26 dB | |
| Isolation (Port to Port) | 35 dB | 80 dB |

C-Band (Linear)

| | Receive | Transmit |
|--------------------------|-------------------------------------|-----------------|
| Transmit Power | 1 to 1000 watt ⁽²⁾ | |
| Standard Frequency (GHz) | 3.40-4.20 ⁽³⁾ | 5.850-6.725 |
| INSAT Frequency (GHz) | 4.5-4.8 | 6.725-7.025 |
| Feed Interface | WR229 | WR137 or Type N |
| Midband Gain (± 0.3dBi) | 35.40 | 39.30 |
| Antenna Noise Temp. (K) | 10° EL= 41 / 20° EL= 36 / 30° EL=33 | |
| Sidelobe Envelope, | 2.5°<θ<20 | 29-25 Log θ |
| Co-Pol (dBi) | 20°<θ<26.3° | -3.5 |
| | 26.3°<θ<48° | 32-25 Log θ |
| | 48°<θ<180° | 10 (Average) |
| Cross-Pol: on Axis | -30 dB | |
| Within 0.5 dB Beamwidth | -26 dB | |
| Tx/Rx Isolation | 60 dB | 60 dB |

C-Band (Circular)

| | Receive | Transmit |
|--------------------------|--------------------------------------|-----------------|
| Transmit Power | 1 to 1000 watt ⁽²⁾ | |
| Standard Frequency (GHz) | 3.625-4.20 ⁽³⁾ | 5.85-6.425 |
| Feed Interface | WR229 | WR137 or Type N |
| Midband Gain (± 0.4dBi) | 35.40 | 39.50 |
| Antenna Noise Temp. (K) | 10° EL= 41 / 20° EL= 36 / 30° EL= 33 | |
| Sidelobe Envelope, | 2.8°<θ<20° | 29-25 Log θ |
| Co-Pol (dBi) | 20°<θ<26.3° | -3.5 |
| | 26.3°<θ<48° | 32-25 Log θ |
| | 48°<θ<180° | -10 (Average) |
| Isolation | 60 dB | 60 dB |

Shipping Weights & Dimensions*

Empty Crate w/ Lid: 228 cm x 108 cm x 75 cm (90" x 42.5" x 29.5"); 99.6 kg (219.5 lbs)
 Crate w/ Ku Platform: 245.4 kg (541 lbs); 7715 Controller: 4.5 kg (9.9 lbs.); Cables: 5 kg (11 lbs)
 Reflector Box (Reflector, Back Cover included) on Pallet, wood: 208 cm x 206 cm x 38 cm (82" x 81" x 15"), 102 kg (225 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements



Classic DRIVEAWAYS



Classic Drive-Aways

iNetVu[®]

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

1200



1200

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 1200 Drive-Away Antenna is a 1.2m auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu® 7000C Controller providing fast satellite acquisition within minutes, anytime anywhere.



Features

- One-Piece offset feed, prime focus, SMC reflector with a back cover
- Heavy duty platform for up to 11kg (25 lbs) RF Electronics (LNB & BUC)
- Designed to work with the iNetVu® 7000C Controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Prodelin 1.2m antenna, Model 1132/1134
- Standard 2 year warranty

Application Versatility

If you operate in Ku-band, the 1200 system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

30

1200



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 1.2m Prime Focus, Offset Feed, SMC ⁽¹⁾ |
| Platform Geometry | Elevation Over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | Full 360° in overlapping 200° sectors |
| Elevation | 0 - 78° ⁽²⁾ |
| Polarization | ±90° |
| Elevation Deploy Speed | Variable 2°/sec typ. |
| Azimuth Deploy Speed | Variable 15°/sec Max., 10°/sec typ. |
| Peaking Speed | 0.2°/sec |

Electrical

| | | |
|---------------------------------|--|--|
| Rx & Tx cable | 2 RG6 cables - 9.1m (30 ft) each | |
| Control cables | 9.1 m (30 ft) Ext. Cable with MIL Connectors up to 60 m (200 ft) available | |
| Standard: | | |
| Optional: | | |
| Transmit Power ⁽³⁾ | Ku-band (Linear) 1 to 200 Watt | X-band (Circular) 1 to 40 Watt |
| Receive Frequency (GHz) | 10.70 - 12.75 ⁽⁴⁾ | 7.25 - 7.75 |
| (Optional) | 10.70 - 11.70 | |
| Transmit Frequency (GHz) | 13.75 - 14.80 | 7.90 - 8.40 |
| (Optional) | 12.75 - 14.50 | |
| Midband Gain(±0.2 dB) | | |
| (Rx) | 41.50 | 37.40 |
| (Tx) | 43.00 | 38.10 |
| Antenna Noise Temp. (K) | 20° EL=46 / 30° EL=43 | 20° EL=51.6 |
| Sidelobe Envelope, Co-Pol (dBi) | | |
| 1° < Ø < 20° | 29 - 25 Log Ø | DSCS Req. |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32 - 25 Log Ø | |
| 48° < Ø < 180° | -10 (averaged) | |
| Cross-Polarization | | |
| Within 1 dB contour | -30 dB (Max.) | |
| Any angle off axis | -25 dB (Max.) | |
| VSWR | 1.3:1 (Max.) | 1.25:1 (Max.) |

Environmental

| | | |
|---------------|---------------|------------------|
| Survival | | |
| Wind Deployed | 112 km/h | (70 mph) |
| Wind Stowed | 225 km/h | (140 mph) |
| Temperature | -40°C to 65°C | (-40°F to 150°F) |
| Operational | | |
| Wind | 72 km/h | (45 mph) |
| Temperature | -32°C to 55°C | (-26°F to 130°F) |

Thermal Test per MIL-STD-810F, Method 501.4, Low Temperatures

Physical

| | | |
|----------------------------|----------------------------------|-------------------|
| Mounting Plate | L: 132 cm (52") | W: 56 cm (22") |
| Stowed Reflector Ext. Dims | L: 177 cm (69.75") | W: 123 cm (48.6") |
| | H: 49 cm (19.25") ⁽⁵⁾ | |
| Deployed Height | 168 cm (66") | |
| Reflector Weight | 15.9 kg (35 lbs) | |
| Total Weight w/Reflector | 92.5 kg (204 lbs) | |

RF Interface

| | |
|-----------------|--|
| Radio Mounting | Feed Arm / Rear of Base / Inside Vehicle |
| Axis Transition | Twist-Flex Waveguide |
| Waveguide | WR75 Cover Flange Interface |
| Coaxial | RG6U from Feed Arm to Base |
| Feed | 2 port Xpol |

Motors

| | | |
|----------------------|-------|---------------|
| Electrical Interface | 12VDC | 15 Amp (Max.) |
|----------------------|-------|---------------|

Shipping Weights & Dimensions*

Platform Crate: 168 cm x 89 cm x 77 cm (66" x 35" x 30"), 59.5 kg (131 lbs)
 Platform: 76.5 kg (168 lbs) 7000C Controller: 6 kg (13 lbs) Cables: 5 kg (11 lbs)
 Reflector Crate: 145 cm x 15 cm x 130 cm (57" x 6" x 51"), 22 kg (48 lbs)
 Total Weight: 169 kg (371 lbs)

1-Piece Transportable Case: (Optional)
 219 cm x 143 cm x 84 cm (86" x 56" x 33"), Appr. 164 kg (362 lbs)

2-Piece Plastic Transportable Cases: (Optional)
 Platform: 178 cm x 69 cm x 74 cm (70" x 27" x 29"), 149 kg (328 lbs)
 Reflector: 132cm x 25cm x 147cm (52" x 10" x 58"), 49 kg (109 lbs)
 Total Weight: 198 kg (437 lbs)

2-Piece Metallic Transportable Cases: (Optional)
 Platform: 178 cm x 76 cm x 74 cm (70" x 30" x 29"), 161.5 kg (356 lbs)
 Reflector: 132cm x 25cm x 147cm (52" x 10" x 58"), 50 kg (110 lbs)
 Total Weight: 211.5 kg (466 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

- ⁽¹⁾ Antenna based on Prodelin, Model 1132 / 1134
- ⁽²⁾ Adjustable at the time of order to support higher elevation angle (Optional)
- ⁽³⁾ Depending on size and weight for feed arm mounting limitation
- ⁽⁴⁾ LNB PLL Type required with stability better than ± 25 KHz
- ⁽⁵⁾ Lower stow height option available (approx 4 cm lower)



Fly-Away ANTENNAS



Fly-Aways

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

FLY-74G



FLY-74H



FLY-75V



FLY-981



FLY-98G



FLY-98V



FLY-98H



ACFLY-1200



FLY-1202



FLY-1202V



FLY-1202G



FLY-1202H



FLY-1801



FLY-74G



TECHNICAL SPECIFICATIONS

The iNetVu® FLY-74G Flyaway Antenna is a 74 cm highly portable Ka-band, self-pointing, auto-acquire system that is configurable with the iNetVu® 7715 Controller, providing fast satellite acquisition within minutes, anytime anywhere. The antenna works seamlessly with the world's emerging commercial satellites and can be assembled in 10 minutes by one person.



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm supports 3W transceiver
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the world's emerging commercial GEO Satellites
- 2 Axis or 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any GEO Ka-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 2 ruggedized cases
- Supports Global Invacom 74 cm Ka antenna
- Compliant with Eutelsat Konnect Services
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band over GEO satellite services, the FLY-74G system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup and many others.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

36

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 74cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | ± 180° |
| Elevation | 0 - 90° |
| Polarization | Circular, RH or LH (Manual or Auto) |
| Elevation Deploy Speed | Variable, 3°/sec typ. |
| Azimuth Deploy Speed | Variable 3°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|----------------------------|--------------------------------|
| Wind loading | |
| Operational (no ballast) | 50 km/h (30 mph) |
| Operational (with ballast) | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Appendix A, Water Ingress Rating: IP-66

Electrical

| | | |
|--------------------------------|---------------------------------------|-----------------|
| Rx & Tx Cable | Dual IFL, RG6 cable - 10 m (33 ft) | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | | |
| | 3W-XRF 17.80 - 20.20 | 29.00 - 30.00 |
| | Konnet 3W-XRF 17.70 - 20.20 | 29.00 - 30.00 |
| | (Optional) 3W - TRX0121 18.10 - 20.20 | 29.00 - 30.00 |
| | (Optional) 4W - AN8025 17.70 - 20.20 | 29.00 - 30.00 |
| | (Optional) 4W - AN8023 17.70 - 20.20 | 28.10 - 29.10 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.5 dBi) | 41.6 @19.2 GHz | 45.3 @29.0 GHz |
| Antenna Noise Temp. (K) | 30° EL= 50 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| | 100λ / D < Ø < 20° | 29 - 25 Log Ø |
| | 20° < Ø < 26.3° | -3.5 |
| | 26.3° < Ø < 48° | 32-25 Log Ø |
| | 48° < Ø < 180° | -10 (typical) |
| Cross-Polarization | > 23 dB | > 25 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|--------------------------------------|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from transceiver to tripod base |

Physical

| | | |
|---|---------------------|---------------------|
| Case 1: Tripod/Reflector (Includes transceiver & upgraded tripod feet) | | |
| | L: 92.7cm (36.6") | W: 33.1 cm (13.03") |
| | H: 89.5cm (35.25") | 32 Kg |
| Case 2: Controller/AZ/EL (Includes external power cable, coax cables, & 7715 controller) | | |
| | L: 102.9 cm (40.5") | W: 47.6cm(18.75") |
| | H: 50.8 cm (20") | 28.8 Kg |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Case 1: 86.4cm x 86.4cm x 31.8 cm (34" X 34" X 12.5"); 32 kg

Case 2: 45.7 cm x 99.1 cm x 47 cm (18" x 39" x 18.5"); 32 kg

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

FLY-74H



TECHNICAL SPECIFICATIONS

The iNetVu® FLY-74H Flyaway Antenna is a 74 cm highly portable Ka-band, self-pointing, auto-acquire system that is configurable with the iNetVu® 7715 Controller, providing fast satellite acquisition within minutes, anytime anywhere. The antenna works seamlessly with the world's emerging commercial satellites and can be assembled in 10 minutes by one person.

Compliant for use on HNS Jupiter Satellite Services

Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm supports Jupiter Radios
- Designed to work with the iNetVu® 7715 Controller
- Works with HNS Jupiter services
- 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any GEO Ka-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 2 ruggedized cases
- Supports Global Invacom 74 cm Ka antenna
- Standard 2 year warranty



Application Versatility

If you operate in Ka-band over GEO satellite services, the FLY-74H system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup and many others.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

38

FLY-74H



by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 74cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | ± 175° |
| Elevation | 0 - 90° |
| Polarization | Circular, RH or LH (Auto) |
| Elevation Deploy Speed | Variable, 3°/sec typ. |
| Azimuth Deploy Speed | Variable 3°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|----------------------------|--------------------------------|
| Wind loading | |
| Operational (no ballast) | 50 km/h (30 mph) |
| Operational (with ballast) | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Appendix A, Water Ingress Rating: IP-66

Electrical

| | | |
|--------------------------------|--------------------------------------|-----------------|
| Rx & Tx Cable | Single IFL, RG6 cable - 10 m (33 ft) | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 17.70 - 20.20 | 28.0-30.0 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.5 dBi) | 41.6 @19.2 GHz | 45.3 @29.0 GHz |
| Antenna Noise Temp. (K) | 30° EL= 50 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100λ / D < Ø < 20° | 29 - 25 Log Ø | |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32-25 Log Ø | |
| 48° < Ø < 180° | -10 (typical) | |
| Cross-Polarization | > 23 dB | > 25 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|--------------------------------------|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from transceiver to tripod base |

Physical

| | | |
|--|---------------------|---------------------|
| Case 1: Tripod/Reflector (Includes transceiver & upgraded tripod feet) | | |
| | L: 92.7cm (36.6") | W: 33.1 cm (13.03") |
| | H: 89.5cm (35.25") | 32 Kg |
| Case 2: Controller/AZ/EL (Includes external power cable, coax cable, & 7715 controller) | | |
| | L: 102.9 cm (40.5") | W: 47.6cm(18.75") |
| | H: 50.8 cm (20") | 28.8 Kg |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Case 1: 86.4cm x 86.4cm x 31.8 cm (34" X 34" X 12.5"); 32 kg

Case 2: 45.7 cm x 99.1 cm x 47 cm (18" x 39" x 18.5"); 32 kg

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

FLY-75V

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] FLY-75V Flyaway Antenna is a 75 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu[®] 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.

"Authorized for use on ViaSat Exede[®] Enterprise and on KA-SAT NEWSSPOTTER NEWSGATHERING service by Eutelsat*"



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm now supports both type of Transceivers: Standard Tria and new eTRIA
- Designed to work with the iNetVu[®] 7715 Controller
- Works seamlessly with the world's emerging commercial ViaSat/KA-SAT satellite Surfbeam II/PRO Auto-acquire modems
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 2 ruggedized cases
- Supports Viasat/Skyware 75 cm Ka antenna
- Standard 2 year warranty



Application Versatility

If you operate in Ka-band, the FLY-75V system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

* http://www.eutelsat.com/files/contributed/support/pdf/Eutelsat_Broadband_Services.pdf (p.14)



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

40

FLY-75V



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 75cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$ |
| Azimuth | $\pm 175^\circ$ |
| Elevation | 0 - 90° |
| Polarization | Circular, Auto-switching |
| Elevation Deploy Speed | Variable, $3^\circ/\text{sec}$ typ. |
| Azimuth Deploy Speed | Variable $3^\circ/\text{sec}$ typ. |
| Peaking Speed | $0.1^\circ/\text{sec}$ |

Environmental

| | |
|----------------------------|---|
| Wind loading | |
| Operational (no ballast) | 50 km/h (30 mph) |
| Operational (with ballast) | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Appendix A, Water Ingress Rating: IP-66

Electrical

| | | |
|---------------------------|--------------------------------------|-----------------|
| Rx & Tx Cable | Single IFL, RG6 cable - 10 m (33 ft) | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 18.30 - 20.20 | 28.10 - 30.00 |
| Feed Interface (Circular) | RG6 | RG6 |
| Nominal G/T | 17.5 dB/K | |
| Nominal EIRP | 48.4 dBW | |

RF Interface

| | |
|----------------|--------------------------------------|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from transceiver to tripod base |

Physical

| | | |
|--------------------------|--|---------------------------|
| Case 1: Tripod/Reflector | L: 85 cm (33.5") H: 29 cm (11.5") | W: 85 cm (33.5") 32 Kg |
| Case 2: Controller/AZ/EL | L: 44.5 cm (17.5") H: 38 cm (15.5") | W: 80 cm (31.5") 32 Kg |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

| |
|--|
| Case 1: 85 cm x 85 cm x 29 cm (33.5" x 33.5" x 11.5"); 32 kg |
| Case 2: 44.5 cm x 80 cm x 38 cm (17.5" x 31.5" x 15.5"); 32 kg |

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

FLY-981



TECHNICAL SPECIFICATIONS

The iNetVu® FLY-981 Flyaway Antenna is a 98 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.



Field Upgradable to FLY-98G, FLY-98V or FLY-98H

Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10lbs) RF Electronics (LNB & BUC)
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the world's most popular commercially available Ku modems
- 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ku-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Standard 2 year warranty

Application Versatility

If you operate in Ku-band, the FLY-981 system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ku terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.



FLY-981



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | ± 175° |
| Elevation | 0 - 90° |
| Polarization | ± 90° |
| Elevation Deploy Speed | Variable, 3°/sec typ. |
| Azimuth Deploy Speed | Variable 3°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|----------------------------|--------------------------------|
| Wind loading | |
| Operational (no ballast) | 50 km/h (30 mph) |
| Operational (with ballast) | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Water Ingress Rating | IP-66 |

Electrical

| | | |
|--------------------------------|--|-----------------|
| Rx & Tx Cables | 2 RG6 cables -10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 10.70-12.75 ⁽¹⁾ | 13.75-14.50 |
| Optional | 10.70-11.70 | 12.75-14.50 |
| Feed Interface | WR-75 | WR-75 |
| Midband Gain (± 0.2 dBi) | 39.70@12.00 GHz | 41.20@14.30 GHz |
| Antenna Noise Temp. (K) | 10° EL=53 / 20° EL= 39 / 30° EL= 32 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 1.8° < Ø < 20° | 29 - 25 Log Ø | |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32-25 Log Ø | |
| 48° < Ø < 180° | -10 (typical) | |
| Cross-Polarization | > -30 dB in 1 dB Contour | |
| VSWR | 1.5:1 | 1.3:1 |

RF Interface

| | |
|----------------|--|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U F Type to tripod base (N Type Optional) |

Physical

| | | |
|--------------------------|--------------------|------------------|
| Case 1: Reflector | L: 109 cm (43") | W: 109 cm (43") |
| | H: 29 cm (11.5") | 28.6 Kg (63 lbs) |
| Case 2: Tripod/Feed arm | L: 122 cm (48") | W: 58 cm (23") |
| | H: 28cm (11") | 27.7 Kg (61 lbs) |
| Case 3: Controller/AZ/EL | L: 44.5 cm (17.5") | W: 80 cm (31.5") |
| | H: 38 cm (15.5") | 34 Kg (75 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x 48") 23.1 Kg (51lbs)
 Total weight of system in cases: 90.3 Kg (199 lbs)
 Total weight of system in cases on skid: 113.4 Kg (250 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Note: ⁽¹⁾ LNB PLL Type required with stability better than ± 25 KHz

FLY-98G

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® FLY-98G Flyaway Antenna is a 98 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.

Thor7 Type Approved and Compliant for use on Avanti Hylas Ka Satellite Services



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10lbs) Ka transceiver
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the world's emerging commercial Ka modems and services
- 2 Axis motorization (Optional - motorized 3rd axis)
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Supports Global Invacom 98 cm Ka antenna
- Avanti Approved; Thor7 Type Approved; also compliant with Gilat/iDirect/Newtec Ka services
- Standard 2 year warranty



Application Versatility

If you operate in Ka-band, the FLY-98G system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

44

FLY-98G



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | ± 175° |
| Elevation | 0 - 90° |
| Polarization | (± 45°), Circular Auto |
| Elevation Deploy Speed | Variable, 3°/sec typ. |
| Azimuth Deploy Speed | Variable 3°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|----------------------------|--------------------------------|
| Wind loading | |
| Operational (no ballast) | 50 km/h (30 mph) |
| Operational (with ballast) | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Water Ingress Rating | IP-66 |

Electrical

| | | |
|--------------------------------|-------------------------------------|------------------|
| Rx & Tx Cables | 2 RG6 cables -10 m (33 ft) each | |
| Control Cables | 10 m (33 ft) Ext. Cable | |
| Standard | up to 60 m (200 ft) available | |
| Optional | | |
| | Receive | Transmit |
| Frequency (GHz) | | |
| | 3W-XRC 19.20 - 20.20 | 29.50 - 30.00 |
| | (Optional) 3W-XRF 17.80 - 20.20 | 29.00 - 30.00 |
| | (Optional) 3W-TRX0121 18.10 - 20.20 | 29.00 - 30.00 |
| | (Optional) 4W-AN8025 17.70 - 20.20 | 29.00 - 30.00 |
| | (Optional) 4W-AN8023 17.70 - 20.20 | 28.10 - 29.10 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.2 dBi) | 43.80 @19.70 GHz | 47.20 @29.75 GHz |
| Antenna Noise Temp. (K) | 30° EL= 62 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100λ / D < Ø < 20° | 29 - 25 Log Ø | |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32-25 Log Ø | |
| 48° < Ø < 180° | -10 (typical) | |
| Cross-Polarization | > -24 dB | > -22 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|----------------------------|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U F Type to tripod base |

Ka-Band (R/O Circular)

| | |
|------------------------------|------------------------|
| Frequency (GHz) | Receive 17.0 - 22.2 |
| Feed Interface dual polarity | WR42 |

Physical

| | | |
|--------------------------|--|-------------------------------------|
| Case 1: Reflector | L: 109 cm (43") H: 29 cm (11.5") | W: 109 cm (43") 28.6 Kg (63 lbs) |
| Case 2: Tripod/Feed arm | L: 122 cm (48") H: 28cm (11") | W: 58 cm (23") 27.7 Kg (61 lbs) |
| Case 3: Controller/AZ/EL | L: 44.5 cm (17.5") H: 38 cm (15.5") | W: 80 cm (31.5") 34 Kg (75 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x 48") 23.1 Kg (51lbs)
 Total weight of system in cases: 90.3 Kg (199 lbs)
 Total weight of system in cases on skid: 113.4 Kg (250 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

FLY-98V

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] FLY-98V Flyaway Antenna is a 98 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu[®] 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.

"Compliant for use on ExedeSM Ka Service by ViaSat and on KA-SAT NEWSSPOTTER NEWSGATHERING service by Eutelsat"



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10lbs) Ka transceiver
- Designed to work with the iNetVu[®] 7715 Controller
- Works seamlessly with the world's emerging commercial ViaSat /KA-SAT satellite Surfbeam II/PRO Auto-acquire modems
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Supports Global Invacom 98 cm Ka antenna
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band, the FLY-98V system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

46

FLY-98V



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$ |
| Azimuth | $\pm 175^\circ$ |
| Elevation | 0 - 90° |
| Polarization | Circular, Auto-switching |
| Elevation Deploy Speed | Variable, $3^\circ/\text{sec}$ typ. |
| Azimuth Deploy Speed | Variable $3^\circ/\text{sec}$ typ. |
| Peaking Speed | $0.1^\circ/\text{sec}$ |

Environmental

| | |
|----------------------------|---|
| Wind loading | |
| Operational (no ballast) | 50 km/h (30 mph) |
| Operational (with ballast) | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Water Ingress Rating | IP-66 |

Electrical

| | | |
|---|--------------------------------------|------------------|
| Rx & Tx Cable | Single IFL, RG6 cable - 10 m (33 ft) | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 18.30 - 20.20 | 28.10 - 30.00 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.2 dBi) | 43.50 @19.75 GHz | 46.60 @29.75 GHz |
| Antenna Noise Temp. (K) | 30° EL= 62 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100 λ / D $< \theta < 20^\circ$ | 29 - 25 Log θ | |
| $20^\circ < \theta < 26.3^\circ$ | -3.5 | |
| $26.3^\circ < \theta < 48^\circ$ | 32-25 Log θ | |
| $48^\circ < \theta < 180^\circ$ | -10 (typical) | |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|----------------------------|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U F Type to tripod base |

Physical

| | | |
|--------------------------|--|-------------------------------------|
| Case 1: Reflector | L: 109 cm (43") H: 29 cm (11.5") | W: 109 cm (43") 28.6 Kg (63 lbs) |
| Case 2: Tripod/Feed arm | L: 122 cm (48") H: 28 cm (11") | W: 58 cm (23") 27.7 Kg (61 lbs) |
| Case 3: Controller/AZ/EL | L: 44.5 cm (17.5") H: 38 cm (15.5") | W: 80 cm (31.5") 34 Kg (75 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x 48") 23.1 Kg (51lbs)
Total weight of system in cases: 90.3 Kg (199 lbs)
Total weight of system in cases on skid: 113.4 Kg (250 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

FLY-98H

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] FLY-98H Flyaway Antenna is a 98 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu[®] 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.



Compliant for use on HNS Jupiter, Avanti & Yahsat Satellite Services

Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10lbs) Ka transceiver
- Designed to work with the iNetVu[®] 7715 Controller
- Works seamlessly with the world's emerging commercial Ka modems and services
- 2 or 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Supports Global Invacom 98 cm Ka antenna
- Works with HNS Jupiter (NA) (1), Yahsat (MENA) (1) and Avanti (1)
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band, the FLY-98H system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

⁽¹⁾ Uses JUPITER Radio

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

48

FLY-98H



by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | ± 175° |
| Elevation | 0 - 90° |
| Polarization | ± 45°, Circular |
| Elevation Deploy Speed | Variable, 3°/sec typ. |
| Azimuth Deploy Speed | Variable 3°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|----------------------------|--------------------------------|
| Wind loading | |
| Operational (no ballast) | 50 km/h (30 mph) |
| Operational (with ballast) | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Water Ingress Rating | IP-66 |

Electrical

| | | |
|--------------------------------|---------------------------------|------------------|
| Rx & Tx Cables | 2 RG6 cables -10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | Receive | Transmit |
| Frequency (GHz) | 19.20 - 20.20 | 29.50 - 30.0 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.2 dBi) | 43.50 @19.75 GHz | 46.60 @29.75 GHz |
| Antenna Noise Temp. (K) | 30° EL= 62 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100λ / D < Ø < 20° | 29 - 25 Log Ø | |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32-25 Log Ø | |
| 48° < Ø < 180° | -10 (typical) | |
| Cross-Polarization | > -24 dB | > -22 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|----------------------------|
| Radio Mounting | Feed Arm (1) |
| Coaxial | RG6U F Type to tripod base |

Physical

| | | |
|--------------------------|--------------------|------------------|
| Case 1: Reflector | L: 109 cm (43") | W: 109 cm (43") |
| | H: 29 cm (11.5") | 28.6 Kg (63 lbs) |
| Case 2: Tripod/Feed arm | L: 122 cm (48") | W: 58 cm (23") |
| | H: 28cm (11") | 27.7 Kg (61 lbs) |
| Case 3: Controller/AZ/EL | L: 44.5 cm (17.5") | W: 80 cm (31.5") |
| | H: 38 cm (15.5") | 34 Kg (75 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x 48") 23.1 Kg (51lbs)
 Total weight of system in cases: 90.3 Kg (199 lbs)
 Total weight of system in cases on skid: 113.4 Kg (250 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

(1) Support Jupiter radio motorized

ACFLY-1200

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] Airline Checkable Flyaway antenna system is a highly portable unit with a 6-piece carbon fibre reflector that can fit in a suitcase. It is configurable with the auto-pointing iNetVu[®] 7024C Controller, cables and another electronic device such as a modem or PowerSmart power supply that can be installed in the second case.



Features

- 1.2m offset, prime focus, 6-piece carbon fibre reflector
- 3 Axis Motorization
- Two Case Solution
- Supports manual control when required
- Airline checkable, meets IATA check-in baggage requirement
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes
- Designed to work with the iNetVu[®] 7024C Controller
- Captive hardware / fasteners
- No tools required for assembly / disassembly
- Set-up time less than 10 minutes, one person job
- Leveling capability for uneven surfaces
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Patented design
- 1 Year Standard Warranty

Application Versatility

The Airline Checkable Flyaway system is easily configured to provide instant access to satellite communications for any application that requires remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up; vertical markets such as Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services will benefit tremendously from the ACFLY's ease of deployment.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

50

ACFLY-1200

iNetVu[®]

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|--------------------------------|
| Reflector | 1.2m Offset Feed, carbon fibre |
| Platform Geometry | Elevation over Azimuth |
| Offset Angle | 15° |
| Antenna Optics | Single Offset |
| Azimuth | ± 180° |
| Elevation | 10° - 90° |
| Polarization | ± 95° |
| Elevation Deploy Speed | Variable 2° /sec typ. |
| Azimuth Deploy Speed | Variable 5° /sec typ. |
| Peaking Speed | 0.1 /sec |

Environmental

| | |
|------------------------|--------------------------------|
| Wind loading | |
| Operational | |
| With Ballast / Anchors | 50 km/h (31 mph) |
| Survival | 145 km/h (90 mph) |
| Temperature | |
| Operational | -30° to 55° C (-22° to 131° F) |
| Solar Radiation | 360 BTU/h/sq. ft. |
| Rain | 1.3cm/h (0.51 in/h) |

Vibration per MIL-STD-810F, Annex A, Category 4, Truck/trailer/tracked
Shock Test per IEC 60068-2-27
Bump Test per IEC 60068-2-29
Drop and Tottle per IEC 60068-2-31
Free- Fall Drop per IEC 60068-2-32, and ISTA 1A
Dust and Water Ingress per IEC 60529, IP65

Electrical

| | |
|----------------|--------------------------------|
| Rx & Tx Cables | 2 RG6 Cables -10m (33 ft) each |
| Control Cables | |
| Standard | 10m (33 ft) Ext. Cable |
| Optional | Up to 60m (200 ft) available |

RF Interface

| | |
|-----------------|-----------------------------|
| Radio Mounting | Back of Reflector |
| Axis Transition | Rigid + Twist-flex Guide |
| Waveguide | WR75 Cover Flange Interface |
| Coaxial | RG6U F Type |

Motors

| | |
|----------------------|--------------------|
| Electrical Interface | 24VDC 5 Amp (Max.) |
|----------------------|--------------------|

Cases

| | |
|--|---|
| Case 1: 6-piece antenna platform | 48.5 x 71 x 39 cm (19" x 28" x 15.3"), 32 kg (70 lbs) |
| Case 2: 3U Rack mount including iNetVu [®] 7024 Controller + feed + cables: | 48.5 x 71 x 39 cm (19" x 28" x 15.3"), 32 kg (70 lbs) |
| Case 3 (Optional): 4U Rack mount | 62.2 x 34.3 x 47.6 cm (24.5" x 13.5" x 18.8"), 10.7 kg (23.5 lbs) |

Ku-Band (Linear)

| | | |
|--------------------------------|------------------------------|-----------------|
| Transmit Power | 1 to 200 watt | |
| Feed | 2 Port XPol | |
| | Receive | Transmit |
| Frequency (GHz) | 10.70 - 12.75 ⁽¹⁾ | 13.75 - 14.50 |
| Optional Ext. Ku Freq (GHz) | 10.70 - 11.70 ⁽¹⁾ | 12.75 - 14.50 |
| Feed Interface | WR75 | WR75 |
| Efficiency | 70% | 70% |
| Midband Gain (± .2 dBi) | 41.50 | 43.00 |
| Antenna Noise Temp. (K) | 10° EL= 45 / 30° EL= 24 | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 1.5°<Θ<20° | 29-25 Log Θ | |
| 20°<Θ<26.3° | -3.5 | |
| 26.3°<Θ<48° | 32-25 Log Θ | |
| 48°<Θ | -10 Typical | |
| Cross-Polarization on Axis | >35 dB | |
| Within 1dB Beamwidth | >30 dB | |
| Return Loss | 17.7 dB typ. | 20 dB typ. |
| Insertion Loss | 0.3 dB typ. | 0.1 dB typ. |
| Tx/Rx Isolation | 40 dB | 90 dB |
| VSWR | 1.3:1 | 1.3:1 |

Shipping Weights & Dimensions*

| |
|--|
| Platform Case: 74 cm x 43 cm x 51 cm (29" x 17" x 20"), 34 kg (75 lbs) |
| Controller Case: 74 cm x 43 cm x 51 cm (29" x 17" x 20"), 34 kg (75 lbs) |

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Note: ⁽¹⁾ LNB PLL Type required with stability better than ± 25 KHz

FLY-1202

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 1.2m Flyaway Antenna System is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7715 Controller and can be assembled in less than 15 minutes by one person. The antenna features a 2-piece segmented Carbon reflector with compact pedestal and is designed to be cost-effective while providing exceptional performance in a light weight package.

Field Upgradable to Ka



Features

- One button auto-pointing controller
- 3 Axis motion (Ku-band), 2 axis (X-band)
- Airline transportable
- Supports manual control when required
- Designed to work with the iNetVu® 7715 Controller
- Captive hardware / fasteners
- 1.2m offset, prime focus, 2-piece Carbon reflector
- No tools required for assembly / disassembly
- Less than 15 minutes assembly time, one person job
- Elevation-over-azimuth pedestal provides excellent stiffness characteristics and convenience for the user
- Eutelsat / Intelsat compliant
- Compact packaging, ruggedized shipping cases
- Minimal maintenance required
- Standard 2 year warranty

Application Versatility

If you operate in Ku-band, the FLY-1202 Flyaway System is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Disaster Management, Military, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

52

FLY-1202

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|-------------------------|--|
| Antenna Size & Material | 1.2m Carbon reflector |
| Platform Geometry | Elevation over azimuth |
| Antenna optics | 2-piece segmented, Offset feed prime focus |
| Offset angle | 16.97° |
| Azimuth | ±175° |
| Elevation | 5° to 90° |
| Polarization | ±95° |
| Elevation deploy speed | Variable 6° / sec |
| Peaking speed | 0.2° / sec |

Environmental

| | |
|-------------------------|--------------------------------|
| Wind loading | |
| Operational | |
| No ballast or anchors | 48 km/h (30 mph) |
| With ballast or anchors | 72 km/h (45 mph) |
| Survival (with ballast) | 145 km/h (90 mph) |
| Solar radiation | 360 BTU / h / sq. ft |
| Temperature | |
| Operational | -30° to 55° C (-22° to 131° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Rain | |
| Operational | 10 cm/h |
| Survival | 15 cm/h |

RF Interface

| | |
|----------------|-------------------------------|
| Radio mounting | Feed arm |
| Coaxial | RG6U F type (N type optional) |

Electrical

| | |
|----------------------|-----------------------------------|
| Electrical interface | 24VDC 8 Amp (Max.) |
| Rx & Tx cables | 2 RG 6 cables - 10 m (33 ft) each |
| Control cables | |
| Standard | 10m (33 ft) ext. cable |
| Optional | up to 60m (200 ft) available |

Electrical (Continued)

| | Ku-band (Linear) | X-band (Circular) |
|---------------------------------|------------------------------|-----------------------|
| Transmit Power ⁽¹⁾ | 1 to 200 Watt | 1 to 40 Watt |
| Receive Frequency (GHz) | 10.70 – 12.75 ⁽²⁾ | 7.25-7.75 |
| Optional | 10.70 - 11.70 | |
| Transmit Frequency (GHz) | 13.75 – 14.50 | 7.90-8.40 |
| Optional | 12.75 - 14.50 | |
| Optional Ext. Ku Freq (GHz) | | |
| Receive Frequency (GHz) | 10.70 - 11.70 ⁽¹⁾ | |
| Transmit Frequency (GHz) | 12.75 - 14.50 | |
| Midband Gain(±0.2 dB) | | |
| (Rx) | 41.80 | 37.40 |
| (Tx) | 43.30 | 38.10 |
| Antenna Noise Temp. (K) | 10° EL=45 | 10° EL=50 |
| | 30° EL=24 | 30° EL=42 |
| Sidelobe Envelope, Co-Pol (dBi) | | |
| 1.5° < Ø < 20° | 29 - 25 Log Ø | DSCS Req. |
| 20° < Ø < 26.3° | - 3.5 | |
| 26.3° < Ø < 48° | 32 - 25 Log Ø | |
| 48° < Ø < 180° | - 10 (averaged) | |
| Cross-Polarization on Axis | >35 dB | |
| Within 1 dB beamwidth | >30 dB | |
| Tx/Rx isolation | Rx: 40 dB Tx: 90 dB | Rx: 100 dB Tx: 100 dB |
| Feed | 2 port Xpol | 2 port Xpol |
| VSWR | 1.3:1 | 1.25:1 |

Cases

Reflector case: 134.6 x 38.1 x 91.5 cm (53" x 15" x 36"); 39 kg (86 lbs)
AZ/EL case: 53.4 x 59.7 x 40.6 cm (21" x 23.5" x 16"); 37.9 kg (83.5 lbs)
Tripod/feed case: 170.2 x 50.8 x 31.8 cm (67" x 20" x 12.5"); 38.3 kg (84.5 lbs)
4-10U Rack Mount case (Optional): 74 x 51 x 72 cm (29" x 20" x 28"); 32 kg (70 lbs)

Shipping Weights & Dimensions*

TBD

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

⁽¹⁾ Depending on size and weight for feed arm mounting limitation

⁽²⁾ LNB PLL Type required with stability better than ± 25 KHz

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)

www.c-comsat.com

Specifications are subject to change

May 2024

53

FLY-1202V

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The new iNetVu[®] 1.2m Flyaway Ka-band Antenna System is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu[®] 7715 Controller and can be assembled in less than 15 minutes by one person. The antenna features a 2-piece segmented Carbon reflector with compact pedestal and is designed to be cost-effective while providing exceptional performance in a light weight package.

Field Upgradable to Ku



Features

- One button auto-pointing controller
- 2 Axis motion Ka-band
- Airline transportable
- Supports manual control when required
- Designed to work with the iNetVu[®] 7715 Controller
- Captive hardware / fasteners
- 1.2m offset, prime focus, 2-piece Carbon reflector
- No tools required for assembly / disassembly
- Less than 15 minutes assembly time, one person job
- Elevation-over-azimuth pedestal provides excellent stiffness characteristics and convenience for the user
- ViaSat/Eutelsat compliant
- Compact packaging, ruggedized shipping cases
- Minimal maintenance required
- Can be easily converted to support Ku-band
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band, the FLY-1202V Flyaway System is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Disaster Management, Military, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

54

FLY-1202V

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|-------------------------|--------------------------|
| Antenna Size & Material | 1.2m Carbon reflector |
| Platform Geometry | Elevation over azimuth |
| Antenna optics | 2-piece segmented |
| Offset angle | 16.97° |
| Azimuth | ±175° |
| Elevation | 5° to 90° |
| Polarization | Circular, auto-switching |
| Elevation deploy speed | Variable 6° / sec |
| Peaking speed | 0.2° / sec |

Environmental

| | |
|-------------------------|--------------------------------|
| Wind loading | |
| Operational | |
| No ballast or anchors | 48 km/h (30 mph) |
| With ballast or anchors | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Rain | |
| Operational | 10 cm/h |
| Survival | 15 cm/h |
| Solar radiation | 360 BTU / h / sq. ft |

RF Interface

| | |
|----------------|-------------|
| Radio mounting | Feed arm |
| Coaxial | RG6U F type |

Electrical

| | |
|----------------------|--------------------------------------|
| Electrical interface | 24VDC 8 Amp (Max.) |
| Rx & Tx cables | Single IFL, RG6 cable - 10 m (33 ft) |
| Control cables | |
| Standard | 10m (33 ft) ext. cable |
| Optional | up to 60m (200 ft) available |

Ka-Band

| | Receive | Transmit |
|--------------------------------|--------------------------|---------------|
| Frequency (GHz) | 19.70 - 20.20 | 29.50 - 30.00 |
| Midband Gain (±.2dB) | 46.5 | 49.9 |
| EIRP (Nominal) | 54 dBW @ 29.75 GHz | |
| G/T (Nominal) | 23.6 dB/K @ 19.95 GHz | |
| Antenna Noise Temp. (K) | 20° EL= 107 / 40° EL= 89 | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 1.5° <Θ < 20° | 29-25 LogΘ | |
| 20° <Θ < 26.3° | -3.5 | |
| 26.3° <Θ < 48° | 32-25 LogΘ | |
| 48° <Θ < 180° | -10 Typical | |
| Cross Polarization | | |
| Any angle of axis | -25 dB in 1dB contour | |
| Feed Interface | Type F | |
| VSWR | 1.3:1 (Max.) | |

Cases

Reflector case: 134.6 x 38.1 x 91.5 cm (53" x 15" x 36"); 39 kg (86 lbs)
AZ/EL case: 53.4 x 59.7 x 40.6 cm (21" x 23.5" x 16"); 37.9 kg (83.5 lbs)
Tripod/feed case: 170.2 x 50.8 x 31.8 cm (67" x 20" x 12.5"); 38.3 kg (84.5 lbs)
4-10U Rack Mount case (Optional): 74 x 51 x 72 cm (29" x 20" x 28"); 32 kg (70 lbs)

Shipping Weights & Dimensions

TBD

FLY-1202G

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The new iNetVu[®] 1.2m Flyaway Ka-band Antenna System is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu[®] 7715 Controller and can be assembled in less than 15 minutes by one person. The antenna features a 2-piece segmented Carbon reflector with compact pedestal and is designed to be cost-effective while providing exceptional performance in a light weight package.

Field Upgradable to Ku



Features

- One button auto-pointing controller
- 2 Axis motion Ka-band; 3 Axis optional
- Airline transportable
- Supports manual control when required
- Designed to work with the iNetVu[®] 7715 Controller
- Captive hardware / fasteners
- 1.2m offset, prime focus, 2-piece Carbon reflector
- No tools required for assembly / disassembly
- Less than 15 minutes assembly time, one person job
- Elevation-over-azimuth pedestal provides excellent stiffness characteristics and convenience for the user
- Compliant with Avanti/Gilat Ka services
- Compact packaging, ruggedized shipping cases
- Minimal maintenance required
- Can be easily converted to support Ku-band
- Optional 3W & 5W transceivers; higher BUCs also supported
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band, the FLY-1202G Flyaway System is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Disaster Management, Military, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

56

FLY-1202G

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|-------------------------|--------------------------|
| Antenna Size & Material | 1.2m Carbon reflector |
| Platform Geometry | Elevation over azimuth |
| Antenna optics | 2-piece segmented |
| Offset angle | 16.97° |
| Azimuth | ±175° |
| Elevation | 5° to 90° |
| Polarization | Circular, auto-switching |
| Elevation deploy speed | Variable 6° / sec |
| Peaking speed | 0.2° / sec |

Environmental

| | |
|-------------------------|--------------------------------|
| Wind loading | |
| Operational | |
| No ballast or anchors | 48 km/h (30 mph) |
| With ballast or anchors | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Rain | |
| Operational | 10 cm/h |
| Survival | 15 cm/h |
| Solar radiation | 360 BTU / h / sq. ft |

RF Interface

| | |
|----------------|------------|
| Radio mounting | Feed arm |
| Feed | RG6 F type |

Electrical

| | |
|----------------------|------------------------------|
| Electrical interface | 24VDC 8 Amp (Max.) |
| Rx & Tx cables | 2 RG6 cables |
| Control cables | |
| Standard | 10m (33 ft) ext. cable |
| Optional | up to 60m (200 ft) available |

Ka-Band

| | Receive | Transmit |
|--------------------------------|--------------------------|---------------|
| Frequency (GHz) | | |
| 3W-XRC | 19.20 - 20.20 | 29.50 - 30.00 |
| (Optional) 3W-XRF | 17.80 - 20.20 | 29.00 - 30.00 |
| (Optional) 3W - TRX0121 | 18.10 - 20.20 | 29.00 - 30.00 |
| (Optional) 4W - AN8025 | 17.70 - 20.20 | 29.00 - 30.00 |
| (Optional) 4W - AN8023 | 17.70 - 20.20 | 28.10 - 29.10 |
| Midband Gain (±.2dB) | 46.5 | 49.9 |
| EIRP (Nominal) | 54 dBWi @ 29.75 GHz | |
| G/T (Nominal) | 23.6 dB/K @ 19.95 GHz | |
| Antenna Noise Temp. (K) | 20° EL= 107 / 40° EL= 89 | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 1.5° <Θ < 20° | 29-25 LogΘ | |
| 20° <Θ < 26.3° | -3.5 | |
| 26.3° <Θ < 48° | 32-25 LogΘ | |
| 48° <Θ < 180° | -10 Typical | |
| Cross Pol within 1dB contour | > 22 dB | > 22 dB |
| VSWR | 1.3:1 (Max.) | |

Ka-Band (R/O Circular)

| | Receive |
|------------------------------|-------------|
| Frequency (GHz) | 17.0 – 22.2 |
| Feed Interface dual polarity | WR42 |

Cases

Reflector case: 134.6 x 38.1 x 91.5 cm (53" x 15" x 36"); 39 kg (86 lbs)
AZ/EL case: 53.4 x 59.7 x 40.6 cm (21" x 23.5" x 16"); 37.9 kg (83.5 lbs)
Tripod/feed case: 170.2 x 50.8 x 31.8 cm (67" x 20" x 12.5"); 38.3 kg (84.5 lbs)
4-10U Rack Mount case (Optional): 74 x 51 x 72 cm (29" x 20" x 28"); 32 kg (70 lbs)

Shipping Weights & Dimensions

TBD

FLY-1202H

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The new iNetVu[®] 1.2m Flyaway Ka-band Antenna System is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu[®] 7715 Controller and can be assembled in less than 15 minutes by one person. The antenna features a 2-piece segmented Carbon reflector with compact pedestal and is designed to be cost-effective while providing exceptional performance in a light weight package.

Field Upgradable to Ku

Compliant for use on HNS Jupiter,
Avanti & Yahsat Satellite Services



Features

- One button auto-pointing controller
- 2 or 3 Axis motorization
- Airline transportable
- Supports manual control when required
- Designed to work with the iNetVu[®] 7715 Controller
- Captive hardware / fasteners
- 1.2m offset, prime focus, 2-piece Carbon reflector
- No tools required for assembly / disassembly
- Less than 15 minutes assembly time, one person job
- Elevation-over-azimuth pedestal provides excellent stiffness characteristics and convenience for the user
- Works with HNS Jupiter (NA), Yahsat (MENA), and Avanti
- Compact packaging, ruggedized shipping cases
- Minimal maintenance required
- Can be easily converted to support Ku-band
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band, the FLY-1202H Flyaway System is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Disaster Management, Military, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

Draft

May 2024

57

FLY-1202H

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|-------------------------|--------------------------|
| Antenna Size & Material | 1.2m Carbon reflector |
| Platform Geometry | Elevation over azimuth |
| Antenna optics | 2-piece segmented |
| Offset angle | 16.97° |
| Azimuth | ±175° |
| Elevation | 5° to 90° |
| Polarization | Circular, auto-switching |
| Elevation deploy speed | Variable 6° / sec |
| Peaking speed | 0.2° / sec |

Environmental

| | |
|-------------------------|--------------------------------|
| Wind loading | |
| Operational | |
| No ballast or anchors | 48 km/h (30 mph) |
| With ballast or anchors | 72 km/h (45 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Rain | |
| Operational | 10 cm/h |
| Survival | 15 cm/h |
| Solar radiation | 360 BTU / h / sq. ft |

RF Interface

| | |
|----------------|-------------|
| Radio mounting | Feed arm |
| Coaxial | RG6U F type |

Electrical

| | |
|----------------------|--------------------------------------|
| Electrical interface | 24VDC 8 Amp (Max.) |
| Rx & Tx cables | Single IFL, RG6 cable - 10 m (33 ft) |
| Control cables | |
| Standard | 10m (33 ft) ext. cable |
| Optional | up to 60m (200 ft) available |

Ka-Band

| | Receive | Transmit |
|--------------------------------|--------------------------|---------------|
| Frequency (GHz) | 19.70 - 20.20 | 29.50 - 30.00 |
| Midband Gain (±.2dB) | 46.5 | 49.9 |
| EIRP (Nominal) | 54 dBW @ 29.75 GHz | |
| G/T (Nominal) | 23.6 dB/K @ 19.95 GHz | |
| Antenna Noise Temp. (K) | 20° EL= 107 / 40° EL= 89 | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 1.5° <Θ < 20° | 29-25 LogΘ | |
| 20° <Θ < 26.3° | -3.5 | |
| 26.3° <Θ < 48° | 32-25 LogΘ | |
| 48° <Θ < 180° | -10 Typical | |
| Cross Polarization | | |
| Any angle of axis | -25 dB in 1dB contour | |
| Feed Interface | Type F | |
| VSWR | 1.3:1 (Max.) | |

Cases

Reflector case: 134.6 x 38.1 x 91.5 cm (53" x 15" x 36"); 39 kg (86 lbs)
AZ/EL case: 53.4 x 59.7 x 40.6 cm (21" x 23.5" x 16"); 37.9 kg (83.5 lbs)
Tripod/feed case: 170.2 x 50.8 x 31.8 cm (67" x 20" x 12.5"); 38.3 kg (84.5 lbs)
4-10U Rack Mount case (Optional): 74 x 51 x 72 cm (29" x 20" x 28"); 32 kg (70 lbs)

Shipping Weights & Dimensions

TBD

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)

www.c-comsat.com

Specifications are subject to change

Draft

May 2024

57a

FLY-1801

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® FLY-1801 Antenna is a 1.8m highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7715 Controller and can be assembled in less than 20 minutes. The antenna features a 6-piece carbon fibre reflector with compact pedestal and is designed to be cost-effective while providing exceptional performance in a light weight package.



Features

- 6-Piece Carbon Fibre Reflector
- One button, auto-pointing Controller acquires any Ku, C or X band satellite within 2 minutes
- 3 Axis motorization
- Supports manual control
- Captive Hardware/Fasteners
- No tools required for assembly
- Set-up time less than 20 minutes
- Designed to work with the iNetVu® 7715 Controller
- Leveling capability for uneven surfaces
- Standard 2 year warranty

Application Versatility

Whether you operate in Ku, C or X band, the 1.8m Flyaway system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Disaster Management, Military, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

58

FLY-1801



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|--------------------------------|---|
| Reflector | 1.8m offset feed, Carbon Fibre |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors GPS Antenna | Compass $\pm 2^\circ$, Tilt Sensor $\pm 0.2^\circ$ |
| F/D Ratio | 0.80 |
| Azimuth | Full 360° in overlapping, 200° sectors |
| Elevation | 0° to 90° |
| Polarization | $\pm 95^\circ$ |
| Elevation Deploy Speed | Variable 3° /sec, 2° /sec typ. |
| Azimuth Deploy Speed | Variable 5° /sec, 2° /sec typ. |
| Peaking Speed | 0.2° /sec |
| Peaking Accuracy | $\pm 0.1^\circ$ |
| Motor Voltage | 24VDC 15 Amp (Max.) |

Environmental

| | |
|----------------------------|--------------------------------|
| Wind loading | |
| Operational (no ballast) | 40 km/h (25 mph) |
| Operational (with ballast) | 72 km/h (45 mph) |
| Survival (with ballast) | 120 km/h (75 mph) |
| Temperature | |
| Operational | -30° to 60° C (-22° to 140° F) |
| Survival | -40° to 65° C (-40° to 149° F) |
| Water Ingress Rating | IP-66 |

Electrical

| | |
|----------------|-------------------------------|
| Rx & Tx Cables | 2 RG6 Cables |
| Control Cables | |
| Standard | 10 m (33 ft) Extension Cable |
| Optional | Up to 60 m (200 ft) available |

RF Interface

| | |
|----------------------|---|
| Radio Mounting | Feed arm |
| Coaxial | RG6U |
| Axis Transition | Rigid/Twist-Flex Waveguide |
| Electrical Interface | 10 m (33 ft) ext. cables w/MIL connectors |
| VSWR | Rx 1.30:1 Tx 1.30:1 |

Physical

Transportable Cases:

- Case 1: AZ Assembly: 47.7 x 50.8 x 68.6cm (18.8" x 20" x 27"); 40.2kg (89lbs)
- Case 2: Tripod Assembly: 52.1 x 154.5 x 34.3cm (20.5" x 61" x 13.5"); 36.4kg (80lbs)
- Case 3: EL Assembly & Feedboom Supports: 49.5 x 138.5 x 67.3cm (19.5" x 54.5" x 26.5"); 39.6kg (87.5lbs)
- Case 4: Feedboom Assembly & Reflector segments: 55.9 x 98.6 x 68.6cm (22" x 38.8" x 27"); 39.6kg (87.5lbs)
- Case 5: Controller (Optional): 4-10U Rack Mount : 74 x 51 x 72 cm (29" x 20" x 28"); 32 kg (70 lbs)
Climate Control case also available

Optional Feeds:

- Case 6: Ku-Linear POL & EL Actuator: 69.9 x 77.0 x 35.1cm (27.5" x 30.3" x 13.8"); 32.5kg (71.5lbs)
- Case 7: C-linear POL & EL Actuator: 75 x 75 x 48.3cm (29.5" x 29.5" x 19"); 46.2kg (102lbs)
- Case 8: C-Circular POL & Actuator: 118 x 62 x 50cm (46.5" x 24.4" x 19.7"); 40.0kg (88lbs)

Shipping Weights & Dimensions

TBD

Antenna Bands

| Transmit Power ⁽¹⁾ | 1 to 200 watt | | | 1 to 500 watt | | | | |
|---------------------------------|------------------------------|---------------|--------------------------------|--------------------|----------------------------------|--------------------|----------------------------------|--------------|
| | <i>Ku-Linear</i> | | <i>C-Linear</i> ⁽³⁾ | | <i>C-Circular</i> ⁽³⁾ | | <i>X-Circular</i> ⁽³⁾ | |
| | Receive | Transmit | Receive | Transmit | Receive | Transmit | Receive | Transmit |
| Frequency (GHz) | 10.70 - 12.75 ⁽²⁾ | 13.75 - 14.50 | 3.40 - 4.20 ⁽²⁾ | 5.850 - 6.725 | 3.625-4.20 ⁽²⁾ | 5.85-6.425 | 7.25 - 7.75 | 7.90 - 8.40 |
| Feed Interface | WR75 | WR75 | WR229 | WR137 or Type N | WR229 | Type N | WR112 | WR112 |
| INSAT Frequency Xpol (GHz) | | | 4.50-4.80 | 6.275-7.025 | | | | |
| INSAT Frequency Copol (GHz) | | | 4.50-4.80 | 6.724-7.025 | | | | |
| Efficiency | 70% | 70% | | | | | | |
| Midband Gain (± 0.2 dB) | 45.30 | 46.50 | 35.40 | 39.30 | (± 0.4 dB) 35.4 | 39.5 | | |
| Antenna Noise Temp. (K) | 10° EL = 60 / 20° EL = 53 | | 10° EL = 43 / 20° EL = 38 | | 10° EL = 55 / 20° EL = 50 | | | |
| Sidelobe Envelope, Co-Pol (dBi) | | | | | | | | |
| 1.5° < θ < 20° | 29-25 Log θ | | 2.5° < θ < 20° | 29-25 Log θ | 2.8° < θ < 20° | 29-25 Log θ | | DSCS Req |
| 20° < θ < 26.3° | -3.5 | | 20° < θ < 26.3° | -3.5 | 20° < θ < 26.3° | -3.5 | | |
| 26.3° < θ < 48° | 32-25 Log θ | | 26.3° < θ < 48° | 32-25 Log θ | 26.3° < θ < 48° | 32-25 Log θ | | |
| 48° < θ < 180° | -10 (Average) | | 48° < θ < 180° | -10 (Average) | 48° < θ < 180° | -10 (Average) | | |
| Cross-Polarization on Axis | -35 dB | -35 dB | -30 dB | -30 dB | | | | |
| Within 1dB Beamwidth | -28 dB | -28 dB | -26 dB | -26 dB | | | | |
| Isolation (Port to Port) | 30 dB | 85 dB | 30 dB | 70 dB | 30 dB | 70 dB | ≥ 90 dB | ≥ 90 dB |

Notes:

⁽¹⁾ Depending on size and weight of feed arm mounting limitation ⁽³⁾ Call your C-COM sales representative for availability

⁽²⁾ LNB PLL Type required with stability better than ± 25 KHz



MANPACKS

AUTOMATIC



TECHNICAL SPECIFICATIONS

MP-60-MOT



MP-80-MOT



MP-100-MOT



MP-130-MOT



MP-60-MOT

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® MP-60-MOT is a fully motorized, auto-acquire, 60 cm carbon fiber Manpack antenna. This robust and lightweight system will point to any programmed satellite with just the push of a button on the NEW iNetVu® 8020 Controller. C-COM's highly portable, multi-segment Manpack can be hand-carried by one person and assembled in less than 10 minutes with no tools required.



Soft Case Solution (Standard)



8020 Controller



Features

- 60 cm 6-piece carbon fibre reflector
- Single Backpack Soft Case Solution (Rugged Hard Case Optional)
- Operates in Ku, Ka or X band
- Designed to work with the iNetVu® 8020 Controller
- Monitor and Control Via Front Panel display or Web Interface
- 2 or 3 Axis Motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ku-band satellite within 30 seconds
- Captive hardware / fasteners
- No tools required for assembly / disassembly
- Set-up time less than 10 minutes, one person job
- 1 Year Standard Warranty

Application Versatility

The MP-60-MOT Manpack system can be easily configured to provide quick access to satellite communications for any application that requires remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up; in vertical markets such as emergency response, disaster management, public safety, broadcasting, media and more.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

MP-60-MOT



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|--|
| Reflector | 60 cm segmented carbon fibre |
| Number of Petals | 6 |
| Platform Geometry | Elevation over Azimuth |
| Antenna Optics | Centre Feed |
| Deployment Sensors | GPS antenna Compass $\pm 5^\circ$ Tilt sensor $\pm 0.05^\circ$ |
| Azimuth | 360° Continuous |
| Elevation | 5° - 90° |
| Polarization | $\pm 95^\circ$ |
| Elevation Deploy Speed | Variable, 11°/sec typ. |
| Azimuth Deploy Speed | Variable 11°/sec typ. |
| Peaking Speed | 11°/sec (steps in $\pm 0.01^\circ$) |

Environmental

| | |
|----------------------|--------------------------------|
| Wind loading | |
| Operational | |
| With Ballast/Anchors | 45 km/h (28.1 mph) |
| Survival | |
| With Ballast/Anchors | 72 km/h (45 mph) |
| Temperature | |
| Operational | -20° to 55° C (-4° to 131° F) |
| Survival | -30° to 60° C (-22° to 140° F) |
| IP Protection | IP66 |
| Humidity | 0-100% (non-condensing) |

Case

Single Backpack Soft Case (Empty): 7.5 Kg (16.5 lbs)
 Size: 84 x 43.2 x 39.4 cm (33.0" x 17.0" x 15.5")
 Weight (Incl. Ku Antenna (1)): 21 Kg (46.2 lbs)
 Optional: Hard Case with Sling Load backpack (Empty): 16 Kg (35.3 lbs)
 Rugged Case Size: 72.4 x 50.8 x 33 cm (28.5" x 20" x 13")
 Weight (Including Antenna (1)): 28.5 Kg (62.8 lbs)

Electrical

DC Input: 24VDC @ 3A (RMS)
 AC/DC Adapter: Universal AC Input (100-277VAC) / 24VDC
 Power Consumption:
 Idle: 12W
 Operational (Max): 50W

Modem Compatibility

The DVB-S2/ACM Tuner is an integrated part of all Manpacks. It allows the iNetVu® system the option to find the satellite with and without the use of a satellite modem. Compact and adaptable, this high performance tuner is programmable to any DVB-S or DVB-S2/ACM frequency and allows the user to pre-configure specific satellite options.

Open AMIP

| | |
|-----------------------------------|---------------------------|
| HNS - HT2500 (dual IFL) | Newtec - Dialog - MDM3310 |
| Gilat - Skyedge IIc - Capricorn 4 | UHP - 100/200 |
| iDirect - Evolution - iQ200 | |

Ku-Band (Linear)

| | | |
|-----------------------------------|-----------------------------|---------------------|
| Transmit Power | 1 to 200 watt | |
| Feed | 2 Port XPol | |
| | Receive | Transmit |
| Frequency (GHz) | 10.70- 12.75 ⁽²⁾ | 13.75 - 14.50 |
| Optional Low Ku | 10.70- 11.70 ⁽²⁾ | 12.75 - 14.50 |
| Feed Interface | WR75 | WR75 ⁽³⁾ |
| Midband Gain ($\pm .2$ dBi) | 35.70 | 37.20 |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100 λ /D° < Θ < 7° | 35-25 Log Θ | |
| 7° < Θ < 9.2° | 13.9 | |
| 9.2° < Θ < 48° | 38-25 Log Θ | |
| 48° < Θ < 180° | -4 Typical | |
| Cross-Polarization on Axis | >35 dB | |
| Within 1dB Beamwidth | >30 dB | |
| Tx/Rx Isolation | 40 dB | 85 dB |
| VSWR | <1.5:1 | <1.5:1 |

Ka-Band (Circular)

| | | |
|------------------------------|----------------------------|-----------------|
| | Receive | Transmit |
| Operating Frequency (GHz) | 17.7 - 21.2 ⁽²⁾ | 27.5- 31.0 |
| Midband Gain ($\pm .2$ dBi) | 40.20 | 43.20 |
| Polarization X-POL | LHCP/RHCP | |
| Feed Interface | WR-42 | WR-28 |
| VSWR | <1.5:1 | <1.25:1 |
| Isolation (dB) | >55 | >55 |

X-Band (Circular)

| | | |
|-----------------------------|----------------------------|-----------------|
| | Receive | Transmit |
| Operating Frequency (GHz) | 7.25 - 7.75 ⁽²⁾ | 7.90 - 8.40 |
| Midband Gain ($\pm .5$ dB) | 32.10 | 32.70 |
| Polarization X-POL | LHCP/RHCP | |
| Sidelobe Compliant with | DSCS Req. | |
| Feed Interface | WR-112 | WR-112 |
| VSWR | <1.25:1 | <1.25:1 |
| Isolation (dB) | >23 | >23 |

Shipping Weights & Dimensions*

Single Backpack Soft Case :
 Size: 89 x 43.2 x 38.1 cm (35.0" x 18.5" x 17.0")
 Weight (Including Antenna ⁽¹⁾): 22.5Kg (49.6 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

⁽¹⁾ Weight indicated does not include BUC, LNB and Cables

⁽²⁾ LNB PLL Type required with stability better than ± 10 KHz

⁽³⁾ Maximum BUC dims supported: 9.8 cm x 9.8 cm x 4.2 cm (3.9" x 3.9" x 1.7"); 0.5Kg(1.1lbs)
 Larger BUCs must use quick disconnect flex waveguidemetric

MP-80-MOT

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® MP-80-MOT is a fully motorized, auto-acquire, 80 cm carbon fiber Manpack antenna. This robust and lightweight system will point to any programmed satellite with just the push of a button on the NEW iNetVu® 8020 Controller. C-COM's highly portable, multi-segment Manpack can be hand-carried by one person and assembled in less than 10 minutes with no tools required.



Soft Case Solution (Standard)



8020 Controller



Features

- 80 cm 5-piece carbon fibre reflector
- Single Backpack Soft Case Solution (Rugged Hard Case Optional)
- Operates in Ku, Ka or X band
- Designed to work with the iNetVu® 8020 Controller
- Monitor and Control Via Front Panel display or Web Interface
- 2 or 3 Axis Motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ku-band satellite within 30 seconds
- Captive hardware / fasteners
- No tools required for assembly / disassembly
- Set-up time less than 10 minutes, one person job
- 1 Year Standard Warranty

Application Versatility

The MP-80-MOT Manpack system can be easily configured to provide quick access to satellite communications for any application that requires remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up; in vertical markets such as emergency response, disaster management, public safety, broadcasting, media and more.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

MP-80-MOT

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|------------------------------|
| Reflector | 80 cm segmented carbon fibre |
| Number of Petals | 5 |
| Platform Geometry | Elevation over Azimuth |
| Antenna Optics | Centre Feed |
| Deployment Sensors | GPS antenna |
| | Compass ± 5° |
| | Tilt sensor ± 0.05° |
| Azimuth | 360° Continuous |
| Elevation | 5° - 90° |
| Polarization | ± 95° |
| Elevation Deploy Speed | Variable, 11°/sec typ. |
| Azimuth Deploy Speed | Variable 11°/sec typ. |
| Peaking Speed | 11°/sec (steps in ± 0.01°) |

Environmental

| | |
|----------------------|--------------------------------|
| Wind loading | |
| Operational | |
| With Ballast/Anchors | 45 km/h (28.1 mph) |
| Survival | |
| With Ballast/Anchors | 72 km/h (45 mph) |
| Temperature | |
| Operational | -20° to 55° C (-4° to 131° F) |
| Survival | -30° to 60° C (-22° to 140° F) |
| IP Protection | IP66 |
| Humidity | 0-100% (non-condensing) |

Case

| | |
|---|---|
| Single Backpack Soft Case (Empty): | 7.5 Kg (16.5 lbs) |
| Size: | 84 × 43.2 × 39.4 cm (33.0" × 17.0" × 15.5") |
| Weight (Incl. Ku Antenna (1)): | 21 Kg (46.2 lbs) |
| Optional: Hard Case with Sling Load backpack (Empty): | 16 Kg (35.3 lbs) |
| Rugged Case Size: | 72.4 × 50.8 × 33 cm (28.5" × 20" × 13") |
| Weight (Including Antenna (1)): | 28.5 Kg (62.8 lbs) |

Electrical

| | |
|--------------------|---|
| DC Input: | 24VDC @ 3A (RMS) |
| AC/DC Adapter: | Universal AC Input (100-277VAC) / 24VDC |
| Power Consumption: | |
| Idle: | 12W |
| Operational (Max): | 50W |

Modem Compatibility

The DVB-S2/ACM Tuner is an integrated part of all Manpacks. It allows the iNetVu® system the option to find the satellite with and without the use of a satellite modem. Compact and adaptable, this high performance tuner is programmable to any DVB-S or DVB-S2/ACM frequency and allows the user to pre-configure specific satellite options.

Open AMIP

| | |
|-----------------------------------|---------------------------|
| HNS - HT2500 (dual IFL) | Newtec - Dialog - MDM3310 |
| Gilat - Skyedge IIc - Capricorn 4 | UHP - 100/200 |
| iDirect - Evolution - iQ200 | |

Ku-Band (Linear)

| | | |
|--------------------------------|-----------------------------|---------------------|
| Transmit Power | 1 to 200 watt | |
| Feed | 2 Port XPol | |
| | Receive | Transmit |
| Frequency (GHz) | 10.70- 12.75 ⁽²⁾ | 13.75 - 14.50 |
| Optional Low Ku | 10.70- 11.70 ⁽²⁾ | 12.75 - 14.50 |
| Feed Interface | WR75 | WR75 ⁽³⁾ |
| Midband Gain (± .2 dBi) | 38.30 | 39.60 |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100λ/D° < θ < 7° | 35-25 Log θ | |
| 7° < θ < 9.2° | 13.9 | |
| 9.2° < θ < 48° | 38-25 Log θ | |
| 48° < θ < 180° | -4 Typical | |
| Cross-Polarization on Axis | >35 dB | |
| Within 1dB Beamwidth | >30 dB | |
| Tx/Rx Isolation | 40 dB | 85 dB |
| VSWR | 1.3:1 | 1.3:1 |

Ka-Band (Circular)

| | | |
|---------------------------|----------------------------|-----------------|
| | Receive | Transmit |
| Operating Frequency (GHz) | 17.7 - 21.2 ⁽²⁾ | 27.5 - 31.0 |
| Midband Gain (± .2dBi) | 42.60 | 45.70 |
| Polarization X-POL | LHCP/RHCP | |
| Feed Interface | WR-42 | WR-28 |
| VSWR | <1.25:1 | <1.25:1 |
| Isolation (dB) | >55 | >55 |

X-Band (Circular)

| | | |
|---------------------------|----------------------------|-----------------|
| | Receive | Transmit |
| Operating Frequency (GHz) | 7.25 - 7.75 ⁽²⁾ | 7.90 - 8.40 |
| Midband Gain (± .5dB) | 34.60 | 35.0 |
| Polarization X-POL | LHCP/RHCP | |
| Sidelobe Compliant with | DSCS Req. | |
| Feed Interface | WR-112 | WR-112 |
| VSWR | <1.25:1 | <1.25:1 |
| Isolation (dB) | >23 | >23 |

Shipping Weights & Dimensions*

| |
|---|
| Single Backpack Soft Case : |
| Size: 89 × 43.2 × 38.1 cm (35.0" × 18.5" × 17.0") |
| Weight (Including Antenna ⁽¹⁾): 22.5Kg (49.6 lbs) |

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

⁽¹⁾ Weight indicated does not include BUC, LNB and Cables

⁽²⁾ LNB PLL Type required with stability better than ± 10 KHz

⁽³⁾ Maximum BUC dims supported: 9.8 cm x 9.8 cm x 4.2 cm (3.9" x 3.9" x 1.7"); 0.5Kg(1.1lbs)
Larger BUCs must use quick disconnect flex waveguidemetric

MP-100-MOT

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] MP-100-MOT is a fully motorized, auto-acquire, 100 cm carbon fiber Manpack antenna. This robust and lightweight system will point to any programmed satellite with just the push of a button on the NEW iNetVu[®] 8020 Controller. C-COM's highly portable, multi-segment Manpack can be hand-carried by one person and assembled in less than 10 minutes with no tools required.



Soft Case Solution (Standard)



8020 Controller



Features

- 100 cm 7-piece carbon fibre reflector
- Single Backpack Case Solution
- Operates in Ku, Ka or X band
- Designed to work with the iNetVu[®] 8020 Controller
- Monitor and Control Via Front Panel display or Web Interface
- 2 or 3 Axis Motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ku-band satellite within 30 seconds
- Captive hardware / fasteners
- No tools required for assembly / disassembly
- Set-up time less than 10 minutes, one person job
- 1 Year Standard Warranty

Application Versatility

The MP-100-MOT Manpack system can be easily configured to provide quick access to satellite communications for any application that requires remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up; in vertical markets such as emergency response, disaster management, public safety, broadcasting, media and more.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

66

MP-100-MOT

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|--|
| Reflector | 100 cm segmented carbon fibre |
| Number of Petals | 7 |
| Platform Geometry | Elevation over Azimuth |
| Antenna Optics | Centre Feed |
| Deployment Sensors | GPS antenna Compass ± 5° Tilt sensor ± 0.05° |
| Azimuth | 360° Continuous |
| Elevation | 5° - 90° |
| Polarization | ± 90° or LHCP/RHCP |
| Elevation Deploy Speed | Variable, 11°/sec typ. |
| Azimuth Deploy Speed | Variable 11°/sec typ. |
| Peaking Speed | 11°/sec (steps in ± 0.01°) |

Environmental

| | |
|----------------------|--------------------------------|
| Wind loading | |
| Operational | |
| With Ballast/Anchors | 45 km/h (28.1 mph) |
| Survival | |
| With Ballast/Anchors | 72 km/h (45 mph) |
| Temperature | |
| Operational | -20° to 55° C (-4° to 131° F) |
| Survival | -30° to 60° C (-22° to 140° F) |
| IP Protection | IP66 |
| Humidity | 0-100% (non-condensing) |

Case

| | |
|---|--|
| Single Backpack Soft Case (Empty): | 5.4 Kg (12.0 lbs) |
| Size: | 84 x 51 x 41 cm (33.0" x 20.0" x 16.0") |
| Weight: 2-Axis (Incl. Antenna ⁽¹⁾): | 22.8 Kg (50.2 lbs) |
| 3-Axis (Incl. Antenna ⁽¹⁾): | 24.5 Kg (54.0 lbs) |
| Optional: Hard Case Size: | 94cm x 55.2cm x 41.6cm (37" x 21.75" x 16.37") |
| Weight (Empty): | 10.5 Kg (23 lbs) |

Electrical

| | |
|--------------------|---|
| DC Input: | 24VDC @ 3A (RMS) |
| AC/DC Adapter: | Universal AC Input (100-277VAC) / 24VDC |
| Power Consumption: | |
| Idle: | 12W |
| Operational (Max): | 50W |

Modem Compatibility

The DVB-S2/ACM Tuner is an integrated part of all Manpacks. It allows the iNetVu[®] system the option to find the satellite with and without the use of a satellite modem. Compact and adaptable, this high performance tuner is programmable to any DVB-S or DVB-S2/ACM frequency and allows the user to pre-configure specific satellite options.

Open AMIP

| | |
|-----------------------------------|---------------------------|
| HNS - HT2500 (dual IFL) | Newtec - Dialog - MDM3310 |
| Gilat - Skyedge IIc - Capricorn 4 | UHP - 100/200 |
| iDirect - Evolution - iQ200 | |

Ku-Band (Linear)

| | | |
|--------------------------------|-----------------------------|---------------------|
| Transmit Power | 1 to 200 watt | |
| Feed | 2 Port XPol | |
| | Receive | Transmit |
| Frequency (GHz) | 10.70- 12.75 ⁽²⁾ | 13.75 - 14.50 |
| Optional Low Ku | 10.70- 11.70 ⁽²⁾ | 12.75 - 14.50 |
| Feed Interface | WR75 | WR75 ⁽³⁾ |
| Midband Gain (± .2 dBi) | 40.10 | 41.40 |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100λ/D° < Θ < 7° | 35-25 Log Θ | |
| 7° < Θ < 9.2° | 13.9 | |
| 9.2° < Θ < 48° | 38-25 Log Θ | |
| 48° < Θ < 180° | -4 Typical | |
| Cross-Polarization on Axis | >35 dB | |
| Within 1dB Beamwidth | >30 dB | |
| Tx/Rx Isolation | 40 dB | 85 dB |
| VSWR | 1.3:1 | 1.3:1 |

Ka-Band (Circular)

| | | |
|---------------------------|----------------------------|-----------------|
| | Receive | Transmit |
| Operating Frequency (GHz) | 17.7 - 21.2 ⁽²⁾ | 27.5 - 31.0 |
| Midband Gain (± .2dBi) | 44.50 | 47.60 |
| Polarization X-POL | LHCP/RHCP | |
| Feed Interface | WR-42 | WR-28 |
| VSWR | <1.5:1 | <1.25:1 |
| Isolation (dB) | >55 | >55 |

X-Band (Circular)

| | | |
|---------------------------|----------------------------|-----------------|
| | Receive | Transmit |
| Operating Frequency (GHz) | 7.25 - 7.75 ⁽²⁾ | 7.90 - 8.40 |
| Midband Gain (± .5dB) | 36.40 | 37.0 |
| Polarization X-POL | LHCP/RHCP | |
| Sidelobe Compliant with | DSCS Req. | |
| Feed Interface | WR-112 | WR-112 |
| VSWR | <1.25:1 | <1.25:1 |
| Isolation (dB) | >23 | >23 |

Shipping Weights & Dimensions*

| | |
|--------------------------|--|
| Shipping Soft Case Size: | 92 x 61 x 46cm (36.0" x 24.0" x 18.0") |
| Shipping Weight: | 2-Axis (Incl. Antenna ⁽¹⁾): 27.7 Kg (61.0 lbs) |
| | 3-Axis (Incl. Antenna ⁽¹⁾): 29.5 Kg (65.0 lbs) |

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

⁽¹⁾ Weight indicated includes 4W BUC, LNB and 5m(16ft) Cables

⁽²⁾ LNB PLL Type required with stability better than ± 10 KHz

⁽³⁾ Maximum BUC dims supported: 9.8 cm x 9.8 cm x 4.2 cm (3.9" x 3.9" x 1.7"); 0.5Kg(1.1lbs)
Larger BUCs must use quick disconnect flex waveguide

MP-130-MOT

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® MP-130-MOT is a fully motorized, auto-acquire, 130 cm carbon fiber Manpack antenna. This robust and lightweight system will point to any programmed satellite with just the push of a button on the NEW iNetVu® 8050 Controller. The 8050 Controller supports DVB-S2X and is fully compatible with a list of open AMIP supported modems. C-COM's highly portable, multi-segment Manpack can be hand-carried and assembled in less than 10 minutes with no tools required.



Soft Case Solution (Standard)



8050 Controller



Features

- 130 cm 7-piece carbon fibre reflector
- 2 Case Backpack type solution
- Operates in Ku, Ka or X band
- Designed to work with the iNetVu® 8050 Controller
- Monitor and Control Via Front Panel display or Web Interface
- Remote access and operation via Network or WiFi Interfaces
- 2 or 3 Axis Motorization
- Supports manual control when required
- One button, auto-pointing controller acquires satellite within 1 minute
- Captive hardware / fasteners
- No tools required for assembly / disassembly
- Set-up time less than 10 minutes, one person job
- 1 Year Standard Warranty

Application Versatility

The MP-130-MOT Manpack system can be easily configured to provide quick access to satellite communications for any application that requires remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up; in vertical markets such as emergency response, disaster management, public safety, broadcasting, media and more.



MP-130-MOT

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 130 cm segmented carbon fibre |
| Number of Petals | 7 |
| Platform Geometry | Elevation over Azimuth |
| Antenna Optics | Centre Feed |
| Deployment Sensors | GPS antenna Compass $\pm 5^\circ$ Tilt sensor $\pm 0.1^\circ$ |
| Azimuth | 360° Continuous |
| Elevation | 5° - 90° |
| Polarization | $\pm 90^\circ$ or LHCP/RHCP |
| Elevation Deploy Speed | Variable, 11°/sec typ. |
| Azimuth Deploy Speed | Variable 11°/sec typ. |
| Peaking Speed | Variable $\pm 0.1^\circ$ |

Environmental

| | |
|----------------------|--------------------------------|
| Wind loading | |
| Operational | |
| With Ballast/Anchors | 45 km/h (28.1 mph) |
| Survival | |
| With Ballast/Anchors | 72 km/h (45 mph) |
| Temperature | |
| Operational | -20° to 60° C (-4° to 140° F) |
| Survival | -30° to 70° C (-22° to 158° F) |
| IP Protection | IP66 |
| Humidity | 0-100% (non-condensing) |

Case

Case 1: 80 x 46 x 23.5 cm (31.5" x 18" x 9.25"); Empty: 3.4 Kg (7.5 lbs)
Case 2: 95.3 x 58.4 x 43.2 cm (37.5" x 23" x 17"); Empty: 6.6 Kg (14.5 lbs)
Weight: Case 1: 2 or 3-Axis (Incl. Tripod/Controller): 12.8 Kg (28.5 lbs)
Case 2: 2-Axis (Incl. Antenna): 18.5 Kg (40.7 lbs)
3-Axis (Incl. Antenna(1)): 20.2 Kg (44.5 lbs)

Electrical

| | |
|--|----------------------------------|
| DC Input: 24VDC @ 6A (RMS) | |
| AC/DC Adapter: Universal AC Input (100-277VAC) / 24VDC | |
| Network Interface | RJ45 Connector and WiFi (2.4GHz) |
| Power Consumption: | |
| Idle: | 12W |
| Operational (Max): | 72W |

Modem Compatibility

The DVB-S2X Tuner is an integrated part of all Manpacks. It allows the iNetVu® system the option to find the satellite with and without the use of a satellite modem. Compact and adaptable, this high performance tuner is programmable to any DVB-S or DVB-S2/ACM or DVB-S2X frequency and allows the user to pre-configure specific satellite options.

Open AMIP

| | |
|-----------------------------------|---|
| HNS - HT2500 (dual IFL) | Newtec - Dialog - MDM3310/MDM 2510/3XXX |
| Gilat - Skyedge IIc - Capricorn 4 | UHP/CEL - 100/200/240 |
| iDirect - Evolution - iQ200/X7 | SpaceBridge - U7400 |

Ku-Band (Linear)

| | | |
|-----------------------------------|-----------------------------|---------------------|
| Transmit Power | 1 to 200 watt | |
| Feed | 2 Port XPol | |
| | Receive | Transmit |
| Frequency (GHz) | 10.70- 12.75 ⁽²⁾ | 13.75 - 14.50 |
| Optional Low Ku | 10.70- 11.70 ⁽²⁾ | 12.75 - 14.50 |
| Feed Interface | WR75 | WR75 ⁽³⁾ |
| Midband Gain (\pm .2dBi) | 41.8 | 43.8 |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100 λ /D° < Θ < 7° | 35-25 Log Θ | |
| 7° < Θ < 9.2° | 13.9 | |
| 9.2° < Θ < 48° | 38-25 Log Θ | |
| 48° < Θ < 180° | -4 Typical | |
| Cross-Polarization on Axis | >35 dB | |
| Within 1dB Beamwidth | >30 dB | |
| Tx/Rx Isolation | 40 dB | 85 dB |
| VSWR | 1.5:1 | 1.5:1 |
| G/T | 21.3dB/K | |

Ka-Band (Circular)

| | | |
|-----------------------------|----------------------------|-----------------|
| | Receive | Transmit |
| Operating Frequency (GHz) | 17.7 - 21.2 ⁽²⁾ | 27.5 - 31.0 |
| Midband Gain (\pm .2dBi) | N/A | N/A |
| Polarization X-POL | LHCP/RHCP Manual | |
| Feed Interface | WR-42 | WR-28 |
| VSWR | <1.5:1 | <1.25:1 |
| Isolation (dB) | >55 | >55 |
| G/T | 21.8dB/K | |

X-Band (Circular)

| | | |
|-----------------------------|----------------------------|-----------------|
| | Receive | Transmit |
| Operating Frequency (GHz) | 7.25 - 7.75 ⁽²⁾ | 7.90 - 8.40 |
| Midband Gain (\pm .5dBi) | N/A | N/A |
| Polarization X-POL | LHCP/RHCP Manual | |
| Sidelobe Compliant with | DSCS Req. | |
| Feed Interface | WR-112 | WR-112 |
| VSWR | <1.25:1 | <1.25:1 |
| Isolation (dB) | >23 | >23 |
| G/T | 16.7dB/K | |

Shipping Weights & Dimensions*

TBD

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

- (1) Weight indicated includes 4W BUC, LNB and 5m(16ft) Cables
- (2) LNB PLL Type required with stability better than ± 10 KHz
- (3) Maximum BUC dims supported: 14 cm x 9.8 cm x 4.2 cm (5.5" x 3.9" x 1.7"); 1.4Kg (3 lbs)
Larger BUCs must use quick disconnect flex waveguide

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)

www.c-comsat.com

Specifications are subject to change

May 2024

69



FMA's FIXED MOTORIZED ANTENNAS



FMA's

iNetVu[®]

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

FMA-121



FMA-180+



FMA-241



FMA-121

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 121 Fixed Motorised Antenna system is a self-pointing auto-acquire unit that can be mounted either as a permanent installation or on a portable fixed base. The antenna works seamlessly with the iNetVu® 7715 Controller.



Features

- 1.2m Offset, prime focus, thermoset-molded reflector
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 2 or 3 Axis motorization
- Supports manual control when required
- It is a cost effective solution for multi-satellite communication at any location
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes
- X-band Optional (2 Axis)
- Locates satellites using the most advanced satellite acquisition methods
- Eliminates costly re-pointing and network downtime due to adverse weather conditions or areas where ground shifts occur (earthquakes, landslides, mine blast zones, etc...)
- Can be easily relocated when mounted on a semi-permanent platform without the need for any specialized equipment
- Any compatible fixed installation can be easily converted and upgraded to a fully motorized system
- Supports Prodelin 1.2m antenna, Model 1132 / 1134
- System designed for relatively large BUCs, 9 kg (Max.) weight for RF electronics (BUC and LNB)
- 1 year warranty

Application Versatility

The FMA-121 system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Mining, Disaster Management, Construction, Mobile Offices, Emergency Services, Cellular Backhaul and many others.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

70

FMA-121

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

| | |
|--------------------|---|
| Antenna Size | 1.2m (48") |
| Reflector Material | Glass reinforced polyester SMC |
| Platform Type | 2 or 3 Axis Motorized, Galvanized steel |
| Antenna optics | Prime Focus, offset feed, Linear Orthogonal |
| Mast Size | 2.5 SCH 80 pipe (3.00" OD) |
| Elevation Range | 0° to 90° |
| Azimuth Range | 340° |
| Polarization Range | ± 90° |

Environmental

| | |
|--------------|--------------------------------|
| Wind Loading | |
| Operational | 72 km/h (45mph) |
| Survival | 200 km/h (125mph) |
| Temperature | |
| Operational | -30°C to 55°C (-22°F to 130°F) |
| Survival | -40°C to 65°C (-40°F to 150°F) |

Electrical

| | | |
|---------------------------------|--------------------------------|--------------------------|
| Elevation Motor | 24VDC | |
| Azimuth Motor | 24VDC | |
| Rx & Tx Cables | 2 RG6 Cables -15m (50 ft) each | |
| Control Cables | | |
| Standard | 15m (50 ft) Ext. Cable | |
| Optional ⁽¹⁾ | Up to 60m (200 ft) available | |
| | Ku-band (Linear) | X-band (Circular) |
| Receive Frequency (GHz) | 10.70 - 12.75 ⁽²⁾ | 7.25 - 7.75 |
| (Optional) | 10.70 - 11.70 | |
| Transmit Frequency (GHz) | 13.75 - 14.80 | 7.90 - 8.40 |
| (Optional) | 12.75 - 14.50 | |
| Midband Gain(±0.2 dB) | | |
| (Rx) | 41.50 | 37.40 |
| (Tx) | 43.00 | 38.10 |
| Antenna Noise Temp. (K) | 20° EL=46 / 30° EL=43 | 20° EL=51.6 |
| Sidelobe Envelope, Co-Pol (dBi) | | |
| 1° < Ø < 20° | 29 - 25 Log Ø | DSCS Req. |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32 - 25 Log Ø | |
| 48° < Ø < 180° | -10 (averaged) | |
| Cross-Polarization | | |
| Within 1 dB contour | -30 dB (Max.) | |
| Any angle off axis | -25 dB (Max.) | |
| VSWR | 1.3:1 (Max.) | 1.25:1 (Max.) |

Note: ⁽¹⁾ Cable lengths higher than 30m will need DC input at the antenna base.

⁽²⁾ LNB PLL Type required with stability better than ± 25 KHz

Shipping Weights & Dimensions

1 Skid: 132 cm x 117 cm x 155 cm (52" x 46.1" x 61") 170 kg (374.8 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)

www.c-comsat.com

Specifications are subject to change

May 2024

71

FMA-180+

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 180+ Fixed Motorised Antenna system is a self-pointing auto-acquire unit that can be mounted as a permanent installation. Works seamlessly with the auto-pointing iNetVu® 7024 Controller.



Features

- 1.8m Offset, prime focus, glass fibre SMC reflector
- Designed to work with the iNetVu® 7024 Controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 2 Axis motorization, 3rd Axis (Polarization) optional
- Supports manual control when required
- It is a cost effective solution for multi-satellite communication at any location
- One button, auto-pointing controller acquires any Ku, C or X band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Eliminates costly repointing and network downtime due to inadvertent motion, satellite change, areas where ground shifts occur (earthquakes, landslides, mine blast zones, etc...)
- Can be easily relocated when mounted on a semi-permanent platform without the need for any specialised equipment
- Any compatible fixed installation can be easily converted and upgraded to a fully motorised system
- Supports GD 1.8m antenna, Model 1184
- System designed for 4W and higher BUCs. 10 kg (Max.) weight for RF electronics (BUC and LNB)
- 1 Year Warranty

Application Versatility

The FMA-180+ system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Mining, Disaster Management, Construction, Mobile Offices and Emergency Services.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

72

FMA-180+



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|--------------------|------------------------------------|
| Antenna size | 1.8m (71") |
| Reflector Material | Glass reinforced polyester SMC |
| Platform Type | 3 axis Motorized, Galvanized steel |
| Antenna optics | Prime Focus, offset feed |
| Mast size | 3.5 SCH 40 pipe (4.0" OD) |
| Elevation range | 0° to 90° |
| Azimuth Range | 330° (± 165°) |
| Polarization Range | ± 90° |

Environmental

| | |
|--------------|--------------------------------|
| Wind loading | |
| Operational | 80 km/h (50mph) |
| Survival | 201 km/h (125mph) |
| Temperature | |
| Operational | -30°C to 55°C (-22°F to 130°F) |
| Survival | -40°C to 65°C (-40°F to 150°F) |

Electrical

| | |
|----------------|--------------------------------|
| Elevation | 24V |
| Azimuth | 24V |
| Rx & Tx Cables | 2 RG6 Cables -15m (50 ft) each |
| Control Cables | |
| Standard | 15m (50 ft) Ext. Cable |
| Optional | Up to 70m (230 ft) available |

Ku-Band

| | Receive | Transmit |
|--------------------------------|------------------------------|---------------|
| Operating Frequency (GHz) | 10.70 - 12.75 ⁽¹⁾ | 13.75 - 14.50 |
| (Optional) | 10.70 - 11.70 | 12.75 - 14.50 |
| Midband Gain (± .2dB) | 45.00 | 46.50 |
| Antenna Noise Temp. (K) | 10° EL= 44 / 40° EL= 33 | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| Mainbeam <Θ<7° | 29-25 LogΘ | |
| 7° <Θ< 9.2° | +8 | |
| 9.2° <Θ <48° | 32-25 LogΘ | |
| 48° <Θ <180° | -10 Ave. | |
| Cross Polarization | > -30 dB on axis | |
| Feed Interface | WR 75 | WR 75 |
| VSWR | 1.3:1 (Max.) | |

Note: ⁽¹⁾ LNB PLL Type required with stability better than ± 25 KHz

C-Band (Linear)

| | Receive | Transmit |
|--------------------------------|-----------------------------|-------------------|
| Operating Frequency (GHz) | 3.625 - 4.20 ⁽¹⁾ | 5.845 - 6.725 |
| INSAT Frequency (GHz) | 4.50-4.80 | 6.725-7.025 |
| Midband Gain (± .2dB) | 35.50 | 39.50 |
| Antenna Noise temp.(K) | 10° EL= 56 / 40° EL=46 | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| Mainbeam <Θ<7° | 29-25 LogΘ | |
| 7° <Θ< 9.2° | +8 | |
| 9.2° <Θ <48° | 32-25 LogΘ | |
| 48° <Θ <180° | -10 Ave. | |
| Cross Polarization | > -30 dB on axis | |
| Feed Interface | CPR 229 F | CPR 137 or type N |
| VSWR | 1.3:1 (Max.) | |

C-Band (Circular)

| | Receive | Transmit |
|--------------------------------|-----------------------------|-------------------|
| Operating Frequency (GHz) | 3.625 - 4.20 ⁽¹⁾ | 5.85 - 6.425 |
| Midband Gain (± .2dB) | 35.50 | 39.90 |
| Antenna Noise Temp. (K) | 10° EL=30 / 40° EL=20 | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| Mainbeam <Θ<7° | 29-25 LogΘ | |
| 7° <Θ< 9.2° | +8 | |
| 9.2° <Θ <48° | 32-25 LogΘ | |
| 48° <Θ <180° | -10 Ave. | |
| Feed Interface | CPR 229 F | CPR 137 or type N |
| VSWR | 1.3:1 (Max.) | |

X-Band (Circular)

| | Receive | Transmit |
|---------------------------|----------------------------|-------------|
| Operating Frequency (GHz) | 7.25 - 7.75 ⁽¹⁾ | 7.90 - 8.40 |
| Midband Gain (± .5dB) | 40.90 | 41.60 |
| Antenna Noise Temp. (K) | 10° EL=43 / 30° EL=35 | |
| Sidelobe Compliant with | DSCS Req. | |
| Feed Interface | WR-112 | WR-112 |
| VSWR | 1.25:1 | 1.25:1 |
| Isolation (dB) | 20 | 20 |

Shipping Weights & Dimensions*

Pallet 1: FMA 1.8m Ku, C or X band System with 3rd axis motorization on skid
183 cm x 109 cm x 66 cm (72"x43"x26"); 195 Kg (430 lbs);
Pallet 2: FMA 1.8m Reflector on skid
208.3 cm x 208.3 cm x 35.6 cm (82"x82"x14"); 80.3 Kg (177 lbs);
System Net Weight: 145.2 kg (320 lbs)
Reflector Net Weight: 37.0 kg (81.5 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

FMA-241



TECHNICAL SPECIFICATIONS

The iNetVu® 241 Fixed Motorised Antenna system is a 2.4m self-pointing auto-acquire unit that can be mounted as a permanent installation. Works seamlessly with the auto-pointing iNetVu® 7715 Controller.



Features

- 2.4m Offset, 4-piece Prime Focus, Glass Fiber SMC reflector
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 2 Axis motorization, 3rd Axis (Polarization) optional
- It is a cost effective solution for multi-satellite communication at any location
- One button, auto-pointing controller acquires any Ku, C or X band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Eliminates costly repointing and network downtime due to inadvertent motion, satellite change, areas where ground shifts occur (earthquakes, landslides, mine blast zones, etc...)
- Can be easily relocated when mounted on a semi-permanent platform without the need for any specialised equipment
- Any compatible fixed installation can be easily converted and upgraded to a fully motorised system
- Supports Prodelin 2.4m antenna, Model 1244
- System designed for light weight BUCs up to 10 kg (Max.) weight for RF electronics (BUC and LNB)
- 1 Year Warranty

Application Versatility

The FMA-241 system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Mining, Disaster Management, Construction, Mobile Offices and Emergency Services.



FMA-241



TECHNICAL SPECIFICATIONS

Mechanical

| | |
|--------------------|------------------------------------|
| Antenna size | 2.4m (8 ft) |
| Reflector Material | Glass reinforced polyester SMC |
| Platform Type | 3 axis Motorized, Galvanized steel |
| Antenna optics | 4-Piece Prime Focus, Offset Feed |
| Mast size | 6" SCH 40 pipe (6.62" OD) |
| Elevation range | 10° - 90° |
| Azimuth Range | 330° (±165°) |
| Polarization Range | ± 90° |

Environmental

| | |
|--------------|--------------------------------|
| Wind loading | |
| Operational | 80 km/h (50mph) |
| Survival | 201 km/h (125mph) |
| Temperature | |
| Operational | -30°C to 55°C (-22°F to 130°F) |
| Survival | -40°C to 65°C (-40°F to 150°F) |

Electrical

| | |
|-------------------------|--------------------------------|
| Elevation | 24V |
| Azimuth | 24V |
| Rx & Tx Cables | 2 RG6 Cables -15m (50 ft) each |
| Control Cables | |
| Standard | 15m (50 ft) Ext. Cable |
| Optional ⁽²⁾ | Up to 70m (230 ft) available |

Shipping Weights & Dimensions* (TBD)

Box 1: 183 cm x 109.2 cm x 66 cm (72" x 43" x 26") 154 kg (340 lbs)
 Box 2: 274.3 cm x 50.8 cm x 27.9 cm (108" x 20" x 11") 84 kg (185 lbs)
 Box 3: 149.9 cm x 149.9 cm x 104.1 cm (59" x 59" x 41") 163.6 kg (360 lbs)
 Total weight with skid: 402 kg (885 lbs)
 Estimated Net Weight (No boxes): 318 kg (700 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Antenna Bands

| Transmit Power Feed | 1 to 400 watt 2 Port XPol | | | | | | | | | |
|---------------------------------|-----------------------------------|---------------|-----------------------------------|---------------|-----------------------------------|--------------|-----------------------------------|---------------|-------------------|----------|
| | | | <i>Ku-Linear</i> | | <i>C-Linear</i> | | <i>C-Circular</i> | | <i>X-Circular</i> | |
| | Receive | Transmit | Receive | Transmit | Receive | Transmit | Receive | Transmit | Receive | Transmit |
| Frequency (GHz) (Optional) | 10.70 - 12.75 ⁽¹⁾ | 13.75 - 14.50 | 3.40 - 4.20 ⁽¹⁾ | 5.845 - 6.725 | 3.625 - 4.20 ⁽¹⁾ | 5.85 - 6.425 | 7.25 - 7.75 ⁽¹⁾ | 7.90 - 8.40 | | |
| Feed Interface | Type F or N | WR 75 | CPR-229 | N or CPR-137 | CPR-229 | N or CPR-137 | WR-112 | WR-112 | | |
| Midband Gain Co-Pol (± 0.2dBi) | 47.40 | 49.20 | 38.20 | 42.20 | 38.00 | 42.00 | 43.70 | 44.40 | | |
| Antenna Noise Temp. (K) | 10° EL= 51; 20° EL=48; 40° EL= 41 | | 10° EL= 47; 20° EL=43; 40° EL= 43 | | 10° EL= 53; 20° EL=49; 40° EL= 49 | | 10° EL= 38; 20° EL=33; 40° EL= 29 | | | |
| Sidelobe Envelope, Co-Pol (dBi) | | | | | | | DSCS Req. | | | |
| | 1.5°<θ<20° | 29 - 25 Logθ | 29 - 25 Logθ | | 29 - 25 Logθ | | | | | |
| | 20°<θ<26.3° | -3.5 | -3.5 | | -3.5 | | | | | |
| | 26.3°<θ<48° | 32-25 Log θ | 32-25 Log θ | | 32-25 Log θ | | | | | |
| | θ > 48° | -10 (Typical) | -10 (Typical) | | -10 (Typical) | | | | | |
| Cross-Polarization on Axis | > 30 dB | > 35 dB | > 30 dB | > 30 dB | > 15 | > 17.7 | | | | |
| Within 1dB Beamwidth | > 25 | > 26 | > 27 | > 27 | > 15 | > 17.7 | | | | |
| Tx/Rx Isolation | > 35 dB | 80 dB | 55 dB | 80 dB | 55 dB | 75 dB | 20 dB | 20 dB | | |
| VSWR | 1.5:1 (Max.) | 1.3:1 (Max.) | 1.3:1 (Max.) | 1.3:1 (Max.) | 1.3:1 (Max.) | 1.3:1 (Max.) | 1.25:1 (Max.) | 1.25:1 (Max.) | | |

Note: (1) LNB PLL Type required with stability better than ± 25 KH
 (2) Cable lengths higher than 70m will need DC input at the antenna base.



CONTROLLERS & ACCESSORIES



Controllers & Accessories

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

7000/24 Controller



7715 Controller



3000 Controller



BR400L



PowerSmart



Transportable Cases



Climate-Controlled AC Case



Transportable Skid



Enclosed Skid



Cables



7000/7024 Controller

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS



Online with the touch of a button

- Simple stand-alone one touch operation to find satellite and stow antenna
- Typical satellite acquisition time in less than 2 minutes
- Ideal for applications that require a quick, simple setup and reliable connection
- Internal DVB receiver provides modem independence
- Based on an embedded software solution

Features

- One touch stand-alone solution
- Front Panel Configurable
- Compatible with all iNetVu® mobile platforms
- Supports DVB-S and DVB-S2/ACM frequencies
- Optimal, high-precision antenna pointing
- Remote access and operation via Network, Web and other Interfaces
- Built-in motion and movement protection for safety
- Supports inclined orbit satellites
- Integrated with multiple modems
- Works with GPS and GLONASS Satellite Navigation Systems
- Works with OpenAMIP
- Global Position Information available for external devices
- Easy to configure and operate
- Interoperable with Uplogix's remote management appliances
- Supported languages by GUI interface: English, French, Arabic, Russian, Swedish, Chinese (Mandarin, Traditional) and Spanish
- Standard 2 year warranty

Modem Compatibility*

The DVB-S2/ACM Tuner is an integrated part of all iNetVu® 7000/7024 Controllers. It allows the iNetVu® system the option to find the satellite with and without the use of a satellite modem. Compact and adaptable, this high performance tuner is programmable to any DVB-S or DVB-S2/ACM frequency and allows the user to pre-configure specific satellite options.

| | | |
|--|--|---|
| HughesNet DW 6000/7000 HN 7000/7000S HN 9200/9260 HN 9400/9460 HN 9600/9800 HX 50/90/100/200/250/260 HT 1100/2000/2500 | iDirect iNFINITI 3000/5000/7000 Series Evolution X5/X7/IQ200 Velocity - X7 | Viasat Linkstar II/IV/S2/S2A Surfbeam II/PRO Surfbeam II Auto-acquire Tooway/PRO |
| ipstar IPX-5100/9200 IPX-3200 | Comtech/ Radyne CDM-600L/570L/625/840 DMD 20/DMD 20 LBST SkyWire MDX420 | Paradise Evolution/ Quantum Series |
| Gilat Skyedge II/IP Skyedge II/Pro/Access Skyedge IIc (Standalone) | Romantis/UHP/Eastar UHP-1000/200 | Tachyon CI-1300 Ruggedized RMG |
| | STM SatLink 1000/1910/2000/2900 | Spacebridge (Advantech) E7000 (S5100) U7400 (S5420) |
| | Newtec MDM-3100 (standalone) MDM 3X00/MDM2510/MDM6000 | |

* Please contact C-COM if you require more information about modem compatibility as these may change without further notice

Optional Beacon Receiver

An optional 19" rack mount iNetVu® Beacon Receiver (BR300L) is available and has been integrated to work with the iNetVu® Controllers. This external self contained compact unit detects the power density of the satellite beacon (930MHz - 2300MHz) and is connected to the controller via an RS232 serial port interface.

Optional GPS/GLONASS Compass

An optional GPS/Glonass based compass is available and has been integrated with the iNetVu Controllers. This external compact device can be fitted on roof of vehicle beside the iNetVu platform to provide accurate vehicle heading within 1 degree irrespective of the surrounding magnetic field. The precise heading of the antenna translates to a smaller search window and hence faster satellite acquisitions. Interfaces to the controller via RS-232 serial port.

Interfaces

| | |
|----------------------|------------------------------|
| GPS Antenna | SMA Connector |
| RF Rx In / Rx Out | Type F Connector |
| Sensor Input | DB26 Connector |
| Motor Control | 9-Pin Circular AMP Connector |
| Network Interface | RJ45 Connector |
| USB 2.0 (Full Speed) | USB Type B Receptacle |
| Serial Port | DB9 Female Connector |

Electrical

| Model | 7000C | 7024C |
|------------------------|---|-------------------------------------|
| Universal AC Input | 100- 240VAC, 2.2 - 1.1A 50/60 Hz | 100- 240VAC, 2.2 - 1.1A 50/60 Hz |
| DC Input | 12VDC @ 15A | 24VDC @ 8A |
| Elevation Power | 12VDC @ 15A (Max.) | 24VDC @ 8A (Max.) |
| Azimuth Power | 12VDC @ 10A (Max.) | 24VDC @ 6A (Max.) |
| Polarization Power | 12VDC @ 3A (Max.) | 24VDC @ 2A (Max.) |
| Idle Power Consumption | 12VDC @ 1A | 24VDC @ 0.5A |
| LNB Power | Disable, 13V, 14V, 18V, 19V @ 500 mA (Max.) | |

Physical

| | |
|------------|--|
| Dimensions | 19" 1U Rack Mountable Unit |
| Standard | H: 4.5cm (1.75") W: 43cm (17.1") D: 28cm (11.0") |
| Weight | 4.5kg (9.9 lbs) |

Environmental

| | |
|-----------------------|--------------------------------|
| Operating Temperature | -20°C to +60°C (-4°F - 140°F) |
| Storage Temperature | -40°C to +70°C (-40°F - 158°F) |

Shipping dimensions

Shipping box: 54 cm x 44 cm x 20 cm (21" x 17" x 8"); 7kg (15 lbs)
Optional - See Transportable Cases datasheet

Certification

FCC Part 15 Class B, CE & VCCI Approvals for Emission & Immunity Standards



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

80

7000/7024 Controller



TECHNICAL SPECIFICATIONS

SEVEN methods of finding satellite with the iNetVu® 7000/7024 controller

- DVB Search - Searches directly for any DVB-S or DVB-S2 (ACM) carrier on the target satellite and peaks on it.
- DVB Search, Opposite Polarity – Searches for DVB-S or DVB-S2 carrier in the opposite polarity on target satellite, then rotates polarization axes and enables transmitter if modem signal attained.
- DVB Search, Reference Satellite - Searches for a DVB-S or DVB-S2 carrier on ANY configured reference satellite then moves to the target satellite and peaks on modem signal.
- RF Automatic Search – The system will stop and search for modem signal when it senses an increase in RF energy received through the DVB tuner as it passes by the target satellite. If the modem signal is found, the system will begin the peak process.
- RF Override Search – The user specifies an RF Threshold such that the system stops when it reaches an area above the threshold and looks for modem signal to peak on.
- Beacon Receiver – The Controller works seamlessly with the optional iNetVu® Beacon Receiver by searching for a specified beacon frequency and then peaks on it (search gain level can be adjusted).
- Auto-Deploy Method - Peaks on a reference satellite then uses precise pointing mechanism to locate the target satellite, even when no modem RF or beacon signal is available to peak on.

The iNetVu® 7000/7024 Controller

- Can be operated from a PC application using the USB port Via its web interface, it can be operated remotely or locally over a network connection
- Can be completely configured from the front panel with a password protected configuration menu
- Protects the platform and its components from damage, using current levels and sensor readings. It includes motion and movement protection as well
- Provides automatic re-peaking if signal degradation occurs
- Works correctly even when deployed while on an incline (in any direction) of up to 15°
- Can search for both DVB-S and DVB-S2/ACM carriers
- Supports full automatic and manual control of the iNetVu® Platform
- Allows the users to select from multiple speed levels for both azimuth and elevation
- Allows the system to operate unattended in remote locations
- Is able to upload the recorded log information (Maximum of 12 hours) from the controller to the PC for troubleshooting
- Supports full tracking of Inclined Orbit satellites by both signal strength and timed function
- Is capable of powering the LNB with 13-19 Volts, selectable in software
- Provides the option of saving the settings to a configuration file that can be used to configure additional controllers with the same configuration parameters
- Works seamlessly with Uplogix Remote Management Appliances
- Supports both GPS and GLONASS Satellite Navigation Systems
- Supports Electronic Flux Gate Compass for increased speed of acquisition
- Designed and manufactured to the highest standards of quality and reliability by C-COM
- Supports all iNetVu® Mobile antenna platforms

7715 Controller



TECHNICAL SPECIFICATIONS



Online with the touch of a button

- Simple stand-alone one touch operation to find satellite & stow antenna
- Typical satellite acquisition time in less than 2 minutes
- Ideal for applications that require a quick, simple setup and reliable connection
- Internal DVB-S2X receiver provides modem independence
- Based on an embedded software solution

Features

- Simultaneous multi-axis movements
- Easy to configure and operate; one touch stand-alone solution
- Single control cable connection to iNetVu® platform
- Front Panel Configurable
- Only works with iNetVu® mobile platforms which are equipped with 7720/7725 on-board module
- Supports DVB-S2X standard frequencies
- Optimal, high-precision antenna pointing
- Remote access and operation via Network, Web and other Interfaces
- Supports inclined orbit satellites
- Integrated with multiple modems
- Works with GPS and GLONASS Satellite Navigation Systems
- Works with OpenAMIP
- Global Position Information available for external devices
- Supported languages by GUI interface: English, French, Arabic, Russian, Swedish, Chinese (Mandarin, Traditional) and Spanish
- Standard 2 year warranty

Modem Compatibility*

The DVB-S2X Tuner is an integrated part of all iNetVu® 7715 Controllers. It allows the iNetVu® system the option to find the satellite with and without the use of a satellite modem. Compact and adaptable, this high performance tuner is programmable to any DVB-S2X frequency and allows the user to pre-configure specific satellite options.

| | | |
|---|--|---------------------------------------|
| HughesNet HT 2500 | iDirect Evolution X5/X7/IQ200 | Comtech/UHP/CEL UHP/CEL-240 |
| Viasat Surfbeam II/PRO Viasat EG1000 | Newtec MDM-3100 (standalone) MDM 3X00/MDM2510/MDM6000 | |
| Gilat Skyedge IIc (Standalone) | Spacebridge (Advantech) U7400 (S5420) | |

* Please contact C-COM if you need more information about modem compatibility as these may change without further notice.



Optional Beacon Receiver

An optional 19" rack mount iNetVu® Beacon Receiver (BR400L) is available and has been integrated to work with the iNetVu® Controllers. This external self contained compact unit detects the power density of the satellite beacon and is connected to the controller via an RS232 serial port interface.

Optional GPS/GLONASS Compass

An optional GPS/Glonass based compass is available and has been integrated with the iNetVu Controllers. This external compact device can be fitted on roof of vehicle beside the iNetVu platform to provide accurate vehicle heading within 1 degree irrespective of the surrounding magnetic field. The precise heading of the antenna translates to a smaller search window and hence faster satellite acquisitions. Interfaces to the controller via RS-232 serial port.

Interfaces

| | |
|----------------------|----------------------------------|
| RF Rx In | Type F Connector |
| RF Rx Out | Type F Connector |
| 7720/7725 Port | Circular Metal Connector |
| Network Interface | RJ45 Connector and WiFi (2.4GHz) |
| USB 2.0 (Full Speed) | USB Type B Receptacle |
| Serial Port | DB9 Female Connector |
| DC In | Circular Amp Connector |
| GPS | SMA Connector |

Electrical

| | |
|------------------------|---|
| LNB Power | Disable, 13V, 14V, 18V, 19V @ 500 mA (Max.) |
| Universal AC Input | 100 - 240VAC, 4.0 - 2.0A, 50/60 Hz |
| DC Input | 24VDC @ 15A |
| Idle Power Consumption | 24VDC @ 1A |

Physical

| | |
|------------|--|
| Dimensions | 19" 1U Rack Mountable Unit |
| Standard | H: 4.5cm (1.75") W: 43cm (17.1") D: 28cm (11.0") |
| Weight | 2.7kg (6.0lbs) |

Environmental

| | |
|-----------------------|--------------------------------|
| Operating Temperature | -20°C to +60°C (-4°F - 140°F) |
| Storage Temperature | -40°C to +70°C (-40°F - 158°F) |

Certification

FCC Part 15 Class A, CE for Emission & Immunity Standards

Shipping dimensions

Shipping box: 54 cm × 44 cm × 20 cm (21" × 17" × 8"); 7kg (15 lbs)
Optional Cases - See Transportable Cases datasheet



TECHNICAL SPECIFICATIONS

SEVEN methods of finding satellite with the iNetVu[®] 7715 Controller

- DVB Search - Searches directly for any DVB-S2X carrier on the target satellite and peaks on it.
- DVB Search, Opposite Polarity – Searches for DVB-S or DVB-S2 or S2X carrier in the opposite polarity on target satellite, then rotates polarization axes and enables transmitter if modem signal attained.
- DVB Search, Reference Satellite with modem - Searches for a DVB-S or DVB-S2 or S2X carrier on ANY configured reference satellite then moves to the target satellite and peaks on modem signal.
- DVB Search, Reference Satellite without modem - Peaks on a reference satellite then uses precise pointing mechanism to locate the target satellite, even when no modem RF or beacon signal is available to peak on.
- RF Automatic Search – The system will stop and search for modem signal when it senses an increase in RF energy received through the DVB tuner as it passes by the target satellite. If the modem signal is found, the system will begin the peak process.
- RF Override Search – The user specifies an RF Threshold such that the system stops when it reaches an area above the threshold and looks for modem signal to peak on.
- Beacon Receiver – The iNetVu[®] Controller works seamlessly with the optional iNetVu[®] Beacon Receiver by searching for a specified beacon frequency and then peaks on it (search gain level can be adjusted).

The iNetVu[®] 7715 Controller

- Can be operated from a PC application using the USB port or network port or WiFi
- Has built in web interface that can be operated remotely or locally over a network connection
- Can be completely configured from the front panel with a password protected configuration menu
- Protects the platform and its components from damage, using current levels and sensor readings. It includes motion and movement protection as well
- Provides automatic re-peaking if signal degradation occurs
- Works correctly even when deployed while on an incline (in any direction) of up to 15°
- Can search for both DVB-S, DVB-S2/ACM or DVB-S2X carriers
- Supports full automatic and manual control of the iNetVu[®] Platform
- Allows the users to select from multiple speed levels for both azimuth and elevation movements
- Allows the system to operate unattended in remote locations
- It is able to upload the recorded log information (Maximum of 12 hours) from the controller to the PC for troubleshooting
- Supports full tracking of Inclined Orbit satellites by both signal strength and timed function
- Is capable of powering the LNB with 13-19 Volts, selectable in software
- Provides the option of saving the settings to a configuration file that can be used to configure additional controllers with the same configuration parameters
- Supports both GPS and GLONASS Satellite Navigation Systems
- Supports Electronic Flux Gate Compass for increased speed of acquisition
- Designed and manufactured to the highest standards of quality and reliability by C-COM
- Only works with iNetVu[®] Mobile antenna platforms which are equipped with 7720/7725 on board module

3000 Controller



TECHNICAL SPECIFICATIONS



The new iNetVu® 3000C hand-held manual controller has the same look and feel as a video game controller. It allows you to operate the platform without having the auto-pointing controller or PC attached to it. In addition, this controller makes it possible to operate the iNetVu® mobile antenna at variable speeds.

A useful tool for conducting demonstrations, installations, testing or for emergency backup situations.

Features

- Jog control on 3 axis
- Compatible with all iNetVu® Mobile Platforms
- Ability to raise, stow, polarize and move the iNetVu® Mobile Platform during demos, installations, trouble-shooting etc.
- Compact, ergonomic case design
- LCD display for operation and limits status
- 10-speed operation
- Directly attachable to any 12VDC / 24VDC power supply
- Enhanced operation with feedback control
- Standard 2 year warranty

Note: ⁽¹⁾ Required for new iNetVu® 24V based models
⁽²⁾ Required for new iNetVu® 24V based models equipped with 7720
 Works with combined PWR/CAN external cable
⁽³⁾ Cables length up to 50ft available

Electrical

| | |
|-----------------------------|---|
| Power Input | |
| 3000C-12 | 12VDC @ 15 Amp (Max.) |
| 3000C-24 ⁽¹⁾ | 24VDC @ 8 Amp (Max.) |
| 3000C-24-CAN ⁽²⁾ | 24VDC @ 8 Amp (Max.) |
| Motor ⁽³⁾ | 9 pin; 4.5m (15 ft) cable (optional) |
| Sensor ⁽³⁾ | DB-26; 4.5m (15 ft) sensor cable (optional) |

Environmental

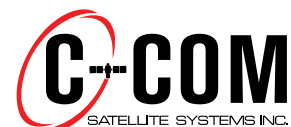
| | |
|-----------------------|----------------------------------|
| Operating temperature | -20° to +60° C (-4° to +140° F) |
| Storage temperature | -40° to +70° C (-40° to +158° F) |
| Standard | RoHS compliant |

Mechanical

| | |
|------------|---|
| Dimensions | W: 8 cm (7") H: 13 cm (5") D: 5 cm (2") |
| Weight | 500 gm (1 lbs) |

Shipping Dimensions

56 cm x 51 cm x 13 cm (22" x 20" x 5"), 3.7 kg (8 lbs)



Beacon Receiver BR400L

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] BR400L 19" rack mount Beacon Receiver is a high performance unit designed to track the power density of a satellite beacon in real time. It supplies a DC voltage output that is linearly proportional to the strength of the beacon signal. The BR400L has been specifically designed to work seamlessly with all iNetVu[®] controllers and antenna platforms.



System

| | |
|-------------------------|---|
| Input Frequency | 950 - 2200 MHz |
| Pre-detection Bandwidth | ±100kHz |
| Input Power Level | -105 dBm (Min.) to -20 dBm (Max.) |
| Frequency Tuning | 10 KHz steps |
| Threshold | C/N ₀ ≤ 40 dBc/Hz |
| Input Impedance | 75 Ohm (Optional 50 Ohm) ⁽¹⁾ |
| Input Connector | Type F, Female STD (N-type Female Optional) |
| Frequency Stability | ± 1.0 ppm |
| AGC Voltage | 0 to +10 VDC |
| Signal Stability | ≤ 0.2dB |
| Phase Noise | -97 dBc/Hz@10kHz |
| M & C | RS-232 @ 19200BPS |
| M & C Connector | DB-9, Male |
| Locking/Capture Time | 4ms (Typical) |
| Streaming | DB-9, Female, (optional) |

Environmental

| | |
|-----------------------|-----------------------|
| Operating Temperature | -20° to +60° C |
| Storage Temperature | -40° to +80° C |
| Humidity | 90% RH non-condensing |

Physical

| | |
|-------------------|--|
| Size | 4.5 cm (1.75") H; 34 cm (13.5") D 48 cm (19") W |
| Weight | 5 kg (11lbs) |
| Primary Power | 100-240 VAC 50/60Hz, 6.5A Autosensing |
| Power Consumption | ≤ 2.5W |

Certification

Complies with FCC Part 15 Class B, EN 55022 Class B
CE Approvals for Emission & Immunity Standards

Shipping dimensions

Receiver box:
54 cm x 44 cm x 20 cm (21" x 17" x 8"), 6.3 kg (14 lbs)

Note: ⁽¹⁾ For 50 Ohm/N-Type please order BR400L-N (SMA Type is also available)

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

87

Beacon Receiver BR-400L-MINI

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® BR-400L-MINI Beacon Receiver is a high performance unit designed to track the power density of a satellite beacon in real time. It supplies a DC voltage output that is linearly proportional to the strength of the beacon signal. The BR-400L-MINI has been specifically designed to work seamlessly with iNetVu® 8050 Controller and Manpack antenna platforms.



Typical Instal on Manpacks

System

| | |
|-------------------------|---|
| Input Frequency | 950 - 2200 MHz |
| Pre-detection Bandwidth | ±100kHz |
| Input Power Level | - 105 dBm (Min.) to -20 dBm (Max.) |
| Frequency Tuning | 10 KHz steps |
| Threshold | C/N ₀ ≤ 40 dBc/Hz |
| Input Impedance | 75 Ohm (Optional 50 Ohm) ⁽¹⁾ |
| Input Connector | Type F, Female STD (N-type Female |
| Frequency Stability | Optional)± 1.0 ppm |
| AGC Voltage | 0 to +10 VDC |
| Signal Stability | ≤ 0.2dB |
| Phase Noise | - 97 dBc/Hz@10kHz |
| M & C | RS-232 @ 19200BPS |
| M & C Connector | M8, Male |
| Locking/Capture Time | 4ms (Typical) |

Environmental

| | |
|-----------------------|-----------------------|
| Operating Temperature | -20° to +60° C |
| Storage Temperature | -40° to +80° C |
| Humidity | 90% RH non-condensing |

Physical

| | |
|-------------------|---|
| Size | 3.5 cm (1.4") H; 14.5 cm (5.7") L; 6.3 cm (2.5") W |
| Weight | 0.21 kg (0.46 lbs) |
| Primary Power | 24VDC |
| Power Consumption | ≤ 2.5W |

Certification

Complies with FCC Part 15 Class B, EN 55022 Class B
CE Approvals for Emission & Immunity Standards

Shipping dimensions

TBD

Note: ⁽¹⁾ For 50 Ohm/N-Type please order BR-400L-MINI-50 (SMA Type is also available)

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

Draft

May 2024

87a

TECHNICAL SPECIFICATIONS

The PowerSmart 2480 has been designed to provide 24 / 48 VDC or 110 / 220 VAC power to external amplifiers / BUCs, and includes features to support Monitor and Control (M&C) functions for several products. Most DC / AC powered BUCs, SSPAs and TWTAs can be integrated with the PowerSmart 2480, for an efficient and convenient hardware solution to provide POWER plus M&C control to an outdoor transmitter unit.



Features

- 19 inch 1U rack mount unit
- Amplifier functions such as TX Enable / Disable and operational status can be monitored and controlled from a convenient operator control panel. ⁽¹⁾
- The amplifier manufacturer's software can typically be operated from a PC platform through the configurable port, over RS232, RS485 or SNMP interface as required.
- Enabling the Transmit function, monitoring BUC faults and the presence of 10 MHz reference on the IFL, verifying output power level and other common functions along with the rack mount format make the PowerSmart 2480 a value-added solution to higher-powered VSAT applications.
- Configuration parameters, onboard statistics and fault information can be accessed via the amplifier's control interface (if available) through a convenient data port on the panel.
- Optional support for Bias-T, DC Blocker, MUX-T with 10 MHz clock, all in one convenient rack mount enclosure.
- Standard 2-Year Warranty

Note:

⁽¹⁾ Listed features are BUC dependent. Some front panel features related to M&C control may not be supported by some BUC manufacturers. Please inquire for further clarifications.

Application Versatility

The iNetVu® PowerSmart 2480 is ideal for applications where a VSAT transmitter / amplifier requires more power than a satellite modem can provide over the TX output. This is typical for larger Block Up Converters (BUC) or Power Amplifiers (SSPA, TWTA etc.) that supply over 8 Watts RF output power.

TECHNICAL SPECIFICATIONS

Environmental

| | |
|-------------------------|-------------------------------------|
| Operational Temperature | -20° C to +60° C (-4° F to 140° F) |
| Storage Temperature | -40° C to +85° C (-40° F to 185° F) |
| Humidity | 10 - 95% RH |

Physical

| | |
|------------|------------------|
| Dimensions | W: 48.3 cm (19") |
| | D: 36.2 cm (14") |
| | H: 4.5 cm (2") |
| Weight | 6.3 kg (14 lbs) |

Bias-T Thruplexer (Optional)

| | |
|----------------|---|
| C-COM standard | L-Band and 10 MHz pass (not generated) |
| C-COM Mux-T | Provides 10 MHz Reference Generation Capability |
| | L-Band pass clock, plus DC / DC Block |

Output

| Model | PS-2480A | PS-2480B | PS-2480C |
|---------------|----------|----------|--------------------------------|
| Voltage | 48VDC | 24VDC | 110 / 220VAC |
| Rated Current | 10.5 Amp | 21 Amp | 6.5A / 115VAC 3.5A / 230VAC |
| Rated Power | 504 W | 504 W | |

Input

| | |
|-----------------|---------------------------------|
| Voltage Range | 85 - 264VAC |
| Frequency Range | 47 - 63 Hz |
| AC Current | 5.3A / 115VAC 2.65A / 230VAC |

Front Panel Switches

| | |
|----------------------------|------------------------------|
| Power | ON / OFF |
| BUC Control ⁽¹⁾ | Enable / Disable transmitter |

Compatibility

Supports most AC / DC Powered BUC in the market

PC Interface

DB9 on front panel used to access BUC Software via PC

PC Interface

| | |
|--------|--|
| RS-232 | BUC / AMP dependent - PS-2480 Adaptable / configurable |
| RS-485 | BUC / AMP dependent - PS-2480 Adaptable / configurable |
| SNMP | BUC / AMP dependent - PS-2480 Adaptable / configurable |

* RS-232 / RS-485 interfaces are physically interchangeable and don't require separate power source

Certifications

FCC, CE, QPS

Transportable Cases

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

iNetVu® 1200 2-Cases, 1-Piece Reflector:



Major Features

- Available in Attractive Black-Coloured ATA style Cases
- High-grade Aluminum Extrusion Frames
- Durable Plastic and Plywood Laminate Panels
- Water-resistant Flat Surface with Drains
- Closed Cell Foam Padding
- Unique L-Shaped Interlocking Covers
- High-Strength Latches, Corners, and Recessed Handles

External Dimensions (All Heights Include Wheels)

| Model Type | (L x W x H) | Weight [cases only] | Total Weight ⁽²⁾ [case + platform] |
|--------------------------------------|--|------------------------|---|
| iNetVu® Ka-75V | 34 x 155 x 84 cm (13.5" x 61" x 33") | 54.5 kg (120 lbs) | 107 kg (235 lbs) |
| iNetVu® Ka-98 V/G/H | 47 x 183 x 109 cm (18.5" x 72" x 43") | 79.5 kg (175 lbs) | 133.5 kg (294 lbs) |
| iNetVu® 980+ | 172 x 111 x 74 cm (68" x 44" x 29") | 68 kg (150 lbs) | 160 kg (353 lbs) |
| iNetVu® 1200: 2-Case, 1-pc Reflector | | | |
| Platform Unit Case | 180 x 76 x 74 cm (71" x 30" x 29") | 63 kg (139 lbs) | 141 kg (311 lbs) |
| Reflector Unit Case ⁽¹⁾ | 130 x 23 x 145 cm (51.5" x 9" x 57") | 29 kg (63.5 lbs) | 45.5 kg (100 lbs) |
| iNetVu® 1202 2-Case, 1-pc Reflector | | | |
| Platform Unit Case: | 211 x 45 x 65 cm (83" x 17.8" x 25.8") | 65.9 kg (145 lbs) | 147.9 kg (325 lbs) |
| Reflector Unit Case: | 127 x 20 x 122 cm (50" x 8" x 48") | 29.5 kg (65 lbs) | 45.5 kg (100 lbs) |

Note: ⁽¹⁾This case does not have wheels
Weights and dimensions are subject to change without notice



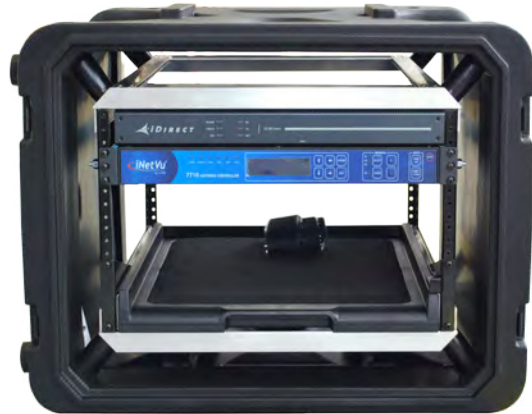
Transportable Cases

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

iNetVu® Controller Rackmount Case



Controller Transportable Cases

| Model Type | (W x H x L) | Weight [cases only] | Total Weight [Case + Controller] |
|-----------------------------------|-------------------------------------|------------------------|-------------------------------------|
| iNetVu® 7000/7024/7715 Controller | (Comes with detachable end covers) | | |
| 4U 19" Rack Case ⁽¹⁾ : | 69 x 40 x 70.5 cm (27" x 16" x 28") | 18.1 kg (40 lbs) | 22.6kg (50 lbs) |
| 6U | 74 x 51 x 72 cm (29" x 20" x 28") | 26 kg (57 lbs) | 30.5 kg (67 lbs) |
| 8U: Optional | 77 x 59 x 74 cm (30" x 23" x 29") | 26.8 kg (59 lbs) | 31.3 kg (69 lbs) |
| 10U: | 74 x 66 x 72 cm (29" x 26" x 28") | 31.8 kg (70 lbs) | 36.3 kg (80 lbs) |
| 12U: | 76 x 74 x 76 cm (30" x 29" x 30") | 31 kg (68 lbs) | 37.5 kg (82.7 lbs) |

Climate-Controlled AC Case



TECHNICAL SPECIFICATIONS

The iNetVu® Climate-Controlled AC Case is precisely engineered, high performance combining the strength of aircraft grade aluminum with exceptional value. Patented by a high strength tubular valance and investment cast corner lugs provide unrivaled protection.



Features

- Designed for easy access from front and back
- Stackable for convenient storage and shipment
- Shock mounted standard 19" Rackmounted Case
- 4U Case holds payloads up to 150 lbs (68 Kg)
- Sizes range - 4U, 6U, 8U, 10U, 12, 14U
- Depths from 24" – 30"
- Conveniently packaged for OEM's to re-brand and re-ship
- Various colors available
- Different cooling capacity available
- Optional thermal electric cooling & heating

Specifications

| | |
|---------------------|--|
| Rack Width: | STD 19" |
| Rack Height: | 4U / 7.0" |
| Rack Depth: | 24" |
| Hole Configuration: | E.I.A. Universal Round Hole Pattern |
| Climate Control: | Power cable on cool side ⁽¹⁾ One ⁽¹⁾ , Horizontal Mounted Closed Loop A/C System - Cooling Capacity: 400 BTU Thermal Electric Cooling 220 Volt (Available in 110 V) Integrated Drip Pan for horizontal mounting configuration |
| Other: | ½" Foam Insulated, Holes punched on sides as required |
| A/C Inputs: | 120/240VAC 1.8A/0.9A |

Physical

| | | |
|---|------------------------|----------------|
| Climate-controlled case 4U (empty, with no cables or devices) | L: 37" (940mm) | W: 24" (610mm) |
| | H: 13" (330mm) | |
| | Weight: 63lbs (28.6kg) | |

Shipping Weights & Dimensions*

TBD

⁽¹⁾ Power cable of the cooling unit can be on the cool side (powered from inside case) or from the hot side (power cable comes outside the case and plugs to an external source)



Transportable Skid 980+/Ka-98X



TECHNICAL SPECIFICATIONS

The iNetVu Transportable Skid is a robust transportable base which is designed to support the iNetVu 980+ and Ka-98X antenna system. The skid can be transported using forklifts or hoists making it possible to rapidly deploy the antenna system without the need to mount it on a trailer or a vehicle.



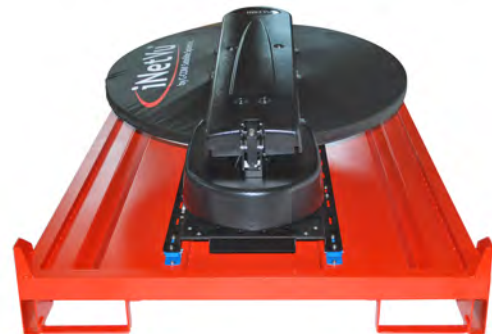
(Shown with the iNetVu 980+ antenna system and shock absorbers)

Feature

- Welded aluminum construction is rigid, lightweight & robust
- Easily handled by forks from pallet trucks and warehouse lift-trucks to large outdoor vehicles
- Fork access from all 4 sides
- Easily hoistable
- Antenna can be quickly mounted/demounted
- Ships fully assembled for very fast integration and deployment
- Optional shock absorbers to greatly reduce road damage
- Extra strongpoints that accommodate a rack case and generator for self-contained antenna deployment
- Optional cable spool

Physical - 980+

| | |
|------------------------------|--|
| Skid w/ system (with shocks) | 122 cm x 192 cm x 83 cm (48.0" x 75.6" x 32.7") |
| Weight: Skid only | TBD |
| Weight: Skid w/ system | TBD |



Shipping Weights & Dimensions ⁽¹⁾

| | |
|--|---|
| Skid w/ system + lid: | 122 cm x 192 cm x 83 cm (48.0" x 75.6" x 32.7"), TBD |
| Lid: | TBD |
| Controller + Cables (30ft): | 18.1 kg (40 lbs) |
| Total shipping weight of Skid w/ lid, system, controller + cables: | TBD |

Note: ⁽¹⁾

The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements



Transportable Skid 1200/1202



TECHNICAL SPECIFICATIONS

The iNetVu Transportable Skid is a robust transportable base which is designed to support the iNetVu 1200 and 1202 antenna system. The skid can be transported using forklifts or hoists making it possible to rapidly deploy the antenna system without the need to mount it on a trailer or a vehicle.



(Shown with the iNetVu 1200 antenna system and shock absorbers)

Physical - 1202

| | |
|------------------------------|--|
| Skid w/ system (with shocks) | 146 cm x 218 cm x 58 cm (57.5" x 85.9" x 22.8") |
| Weight: Skid only | 78.9 kg (174 lbs) |
| Weight: Skid w/ system | 160.9 kg (355 lbs) |

Physical - 1200

| | |
|---------------------------------|---|
| Skid w/ system (without shocks) | 146 cm x 218 cm x 66.7 cm (57.5" x 85.9" x 26.25") |
| Skid w/ system (with shocks) | 146 cm x 218 cm x 71.7 cm (57.5" x 85.9" x 28.25") |
| Weight: Skid only | 78.9 kg (174 lbs) |
| Weight: Skid w/ system | 171.5 kg (378 lbs) |

Feature

- Welded aluminum construction is rigid, lightweight & robust
- Easily handled by forks from pallet trucks and warehouse lift-trucks to large outdoor vehicles
- Fork access from all 4 sides
- Easily hoistable
- Antenna can be quickly mounted/demounted
- Ships fully assembled for very fast integration and deployment
- Optional shock absorbers to greatly reduce road damage



Shipping Weights & Dimensions ⁽¹⁾

| | |
|--|--|
| Skid w/ system + lid: | 146 cm x 218 cm x 83 cm (57.5" x 85.9" x 32.7"), 235 kg (518 lbs) |
| Lid : | 45.4 kg (100 lbs) |
| Controller + Cables (30ft): | 18.1 kg (40 lbs) |
| Total shipping weight of Skid w/ lid, system, controller + cables: | 235.5 kg (519 lbs) |

Note: ⁽¹⁾
The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements



Enclosed Skid 1200/1202



TECHNICAL SPECIFICATIONS

The iNetVu Transportable Enclosed Skid is a robust transportable enclosure which is designed to support the iNetVu 1200 and the 1202 antenna system. The Enclosed Skid can be transported using forklifts or hoists making it possible to rapidly deploy the antenna system without the need to mount it on a trailer or a vehicle. It also allows for stackability for easier space management & warehousing.



Feature

- Welded aluminum construction is rigid, lightweight & robust
- Easily handled by forks from pallet trucks and warehouse lift-trucks to large outdoor vehicles
- Fork access from all 4 sides
- Easily hoistable
- Antenna can be quickly mounted/demounted
- Ships fully assembled for very fast integration and deployment
- Stackable up to 3 units
- One person operation
- Shock absorbers to reduce road damage

Physical

| | |
|-----------------------------------|--|
| Enclosed Skid w/ system | 148 cm x 218 cm x 79 cm (58.3" x 85.9" x 31.1") |
| Weight - Enclosed Skid w/ system: | 245.9 kg (542 lbs) |
| Weight - Empty Enclosed Skid: | 153.3 kg (338 lbs) |

Shipping Weights & Dimensions*

Enclosed Skid w/ system & packaging: 148 cm x 218cm x 79 cm
(58.3" x 85.9" x 31.1"), 252.7 kg (557 lbs)
Controller + Cables (30ft): 18.1 kg (40 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements



Cables

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS



Motor Cable



Sensor Cable



Splitter Cable

The iNetVu® product line offers a wide range of cables to address the needs of its resellers. The iNetVu® standard configuration includes four types of cables:

External Motor Cable - 8 conductor cable

- 14 AWG / 16 AWG / 18 AWG
- Metalized AMP 9 Pin to AMP 9 Pin connectors
- 10m (33 feet)
- Weight: 1.1 kg (2.5 lbs)

External Sensor Cable - 25 conductor cable

- 24 AWG
- Metalized AMP 16 Pin to DB26 connector
- 10m (33 feet)
- Weight: 1.1 kg (2.5 lbs)

External Transmit Cable (TX) - RG6 Co-axial cable

- F-Type connectors
- 75 ohm
- 10m (33 feet)
- Weight: 0.5 kg (1 lbs)

RX Cable Splitter - 2 to 1 Splitter

- F-Type connectors
- 75 ohm
- 10 m (33 feet)
- Weight: 0.5 kg (1 lbs)

Modem Cable - RG6 Co-axial cable

- F-Type connectors
- 75 ohm
- 1 m (3 feet)

Controller Cable - RG6 Co-axial cable

- F-Type connectors
- 75 ohm
- 1 m (3 feet)

Note: The external cables are also offered in sets of 15m (50 feet), 30m (100 feet), 45m (150 feet) and 60m (200 feet). You can also order the TX cable in 50 ohm with a N-Type connector and the RX cable with a 50 ohm and a N-Type connector.

C-COM
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

May 2024

96

VERTICAL MARKETS



- Oil & Gas Exploration
- SNG (Satellite News Gathering)
- Military
- Cellular Backhaul
- Homeland Security
- Mobile Medical Services (Telemedicine)
- Emergency Response
- Disaster Relief
- Mining
- Construction
- Mobile Education (Bookmobiles)
- Mobile Offices
- Mobile Banking
- Recreation Vehicles





eutelsat
type approved for KA-SAT

| Ka-74G | Ka-75V | FLY-75V | Ka-98V | 1202 |
|---|---|---|--|---|
| "Approved on Eutelsat Connect Services" | "Authorized for use on ViaSat Exede® Enterprise and on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat" | "Authorized for use on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat" | Eutelsat Type Approved for Broadband Services | Characterized with Eutelsat |
|  |  |  |  |  |



ViaSat
ESKO: ENTERPRISE AUTHORIZED EQUIPMENT

| Ka-75V | FLY-75V | Ka-1202V |
|---|---|---|
| "Authorized for use on ViaSat Exede® Enterprise and on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat" | "Authorized for use on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat" | |
|  |  |  |




Avanti Approved Compatibility

| Ka-98G |
|---|
| "Avanti Approved & Thor7 Type Approved; Field Upgradeable to Ku-band" |
|  |

CONTROLLERS

| iNetVu® 7000/7024 | iNetVu® 7710 |
|-------------------|--------------|
|-------------------|--------------|

HughesNet
DW 6000/7000
HN 7000/7000S
HN 9200/9260
HN 9400/9460
HN 9600/9800
HX 50/90/100/200/250/260
HT 1100/2000

ViaSat
Linkstar II/IV/S2/S2A
Surfbeam II/PRO
Surfbeam II Auto-acquire
Tooway/PRO

iDirect
iNFINITI 3000/5000/7000 Series
Evolution X5/X7

HughesNet
HN 7000/7000S
HN 9200/9260
HN 9400/9460
HN 9600/9800
HX 50/90/100/200/250/260
HT 1100/1200/1300/2000

ViaSat
Surfbeam II/PRO
Tooway/PRO

iDirect
Evolution X5/X7



| Ka-98H/Jup | 980+ |
|---|---|
| "Approved for operation on Hughes JUPITER System" | |
|  |  |

Eutelsat
Ka-75V (Ka) 7024C
Ka-75V-KASAT (Ka) 7024C
FLY-75V (Ka) 7710
Ka-98V (Ka) 7710
1202 (Ku) 7710

ViaSat
Ka-75V (Ka) 7024C
FLY-75V (Ka) 7710
Ka-1202V (Ka) 7710




TELENOVA SATELLITE
THOR 7
APPROVED PROVIDER

| Ka-98G | FLY-98G |
|---|---|
| "Avanti Approved & Thor7 Type Approved; Field Upgradeable to Ku-band" | "Thor7 Type Approved and Compliant for use on Avanti Hylas Ka Satellite Services" |
|  |  |

Avanti
Ka-98H (Ka) 7710
Ka-98G (Ka) 7710

Hughes (HNS)
Ka-98H/JUP (Ka) 7710
980/980+ (Ku) 7024C




| 981 |
|---|
|  |

Thor7
Ka-98G (Ka) 7710
FLY-98G (Ka) 7710

Optus
981 (Ka) 7024C



| 1200 |
|---|
|  |

Hispasat
1200 (Ku) 7000

Gilat
Skyedge II/IP
Skyedge III/Pro/Access
Skyedge IIc (Standalone)

Comtech/ Radyne
CDM-600L/570L/625/840
DMD 20/DMD 20 LBST
SkyWire MDX420

Ipstar
IPX-5100/9200
IPX-3200

Romantis/UHP/Eastar
UHP-1000/200

Newtec
MDM-3100 (standalone)
MDM 3X00/MDM2500

STM
SatLink 1000/1910/2000/2900

Paradise
Evolution/ Quantum Series

Tachyon
CI-1300
Ruggedized RMG

Spacebridge
E7000
U7400

Gilat
Skyedge II/IP
Skyedge III/Pro/Access
Skyedge IIc (Standalone)

Comtech/ Radyne*
CDM-600L/570L/625/840
DMD 20/DMD 20 LBST
SkyWire MDX420

Ipstar*
IPX-5100/9200
IPX-3200

Romantis/UHP/Eastar*
UHP-1000/200

Newtec
MDM-3100 (standalone)
MDM 3X00/MDM2500

STM
SatLink 1000/1910/2000/2910

Novelsat
NS3000

DATUM
M7

* Modern Integration underway. Please contact C-COM if you need more information about modern compatibility as these may change without further notice.

TECHNICAL SPECIFICATIONS

Drive-Away Antennas

| Models ⇄ Features ↓ | 74 | 74G/H | 75V/VP | 980+ | Ka-98 | | 1200 | 1200+ | 1202 | 1501 | 1801 |
|---|----------------------------|--------------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|---------------------------------|---|---|--|--|
| | | | | | G | V | | | | | |
| Band | Ku | Ka | Ka | Ku (Ka Upgradable) | Ka | Ka | Ku/X | Ku | 1202 Ku | Ku, C-Linear, C-Circular | Ku, C-Linear, C-Circular |
| Deployed Height (mm) | 1220 | 1220 | 1260 | 1510 | 1510 | 1510 | 1676 | 1882 | 1650 | 1800 | 2480/2550 |
| Stowed Height (mm) | 300 | 300 | 350 | 350 | 300 | 300 | 488 | 412 | 340 | 490 | 670/500 |
| Total Weight (Kg) | 52 | 52 | 52 | 54 | 54 | 54 | 92.5 | 100 | 88 | TBD | 162/185 |
| Max. RF (BUC/LNB) Platform weight (Kg) | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 15 | 15 | 15 | 11/15 |
| Max. RF, BUC Dims (LxWxH/inches) | 11.1x8.7x4.6 11.1x6x5.5 | 3W/4W Custom | 3W Custom | 10x6.75x3.4 | 3W Custom | 4W Custom | 1900x95x5.5 | 175x155x6.75 | 120x152x6.8 | 12.0x15.2x5.8 | 1800+19.0x9.75x8.0 1801: 19.0 x 9.0 x 7.5 |
| Reflector | Metal | Metal | ViaSat 75Ka | Prodelin 1984/1985 | Skyware 98 Ka | Skyware 98Ka | Prodelin 1132/1134 | Prodelin 1132/1134 | Skyware 125 | Carbon Fibre | Skyware 183 |
| Elevation (degrees) | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 78 | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 80/0 to 90 |
| Polarization (+ degrees) | 90 | Auto (CPLH/RH) | N/A | 90 | Auto or 45 (CPLH/RH) | Auto or 45 (CPLH/RH) | 90 | 95 | 95 | 95 | 90 |
| Frequency Rx (GHz) | 10.70-12.75 | G:17.70-20.20 H:18.30-20.20 | 18.30-20.20 | 10.95-12.75 | 17.70-20.20 | 18.30-20.20 | Ku:10.95-12.75 X:7.25-7.75 | 10.70-12.75 | 10.70-12.75 | Ku: 10.70 -12.75 C-Linear: 3.625- 4.20 C-Circular: 3.625-4.20 | Ku: 10.70 -12.75 C-Linear: 3.40-4.20 C-Circular: 3.625-4.20 |
| Frequency Tx (GHz) | 13.75-14.50 | G:29.00-30.00 H:28.00-30.00 | 28.10-30.00 | 13.75-14.50 | 29.50-30.00 | 28.10-30.00 | Ku:13.75-14.50 X:7.90-8.40 | 12.75-14.50 | 13.75-14.50 | Ku: 13.75 -14.50 C-Linear: 5.85-6.425 C-Circular: 5.85-6.425 | Ku: 13.75 -14.50 C-Linear: 5.85-6.725 C-Circular: 5.85-6.425 |
| Midband Gain (Rx, Tx) | 37.8, 39.2 | 41.6, 45.3 | 41.40, 44.50 | 39.80, 41.30 | 43.50, 46.60 | 43.50, 46.60 | Ku:41.50,43.00 X:37.40,38.10 | 41.50,43.00 | 41.80,43.30 | Ku: 43.70, 45.00 C-Linear: 33.40, 37.20 C-Circular: 33.30, 37.10 | Ku: 45.30, 46.80 C-Linear: 35.40, 39.30 C-Circular: 35.40, 39.50 |
| Wind Deployed (km/h) | 160 | 160 | 160 | 160 | 160 | 160 | 112 | 112 | 112 | 112 | 112 |
| Wind Stowed (km/h) | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 |
| Survival Temp. (°C) | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 |
| Operational, Wind (km/h) | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 75 | 75 | 72 | 72 |
| Operational, Temp. (°C) | -30 to 55 | -30 to 55 | -30 to 55 | -30 to 55 | -30 to 55 | -32 to 55 | -32 to 55 | -30 to 56 | -30 to 55 | -30 to 55 | -32 to 55 |
| Controller | 7715 | 7715 | 7024/ 7715 | 7024C | 7715 | 7715 | 7000C | 7715 | 7715 | 7715 | 7000C/7715 |
| Standard Cables (75 Ohm) (50 Ohm -Opt.) | CB-7710-10-2 10m (33ft) | CB-7710-10-2 10m (33 ft) | CB-7024-10 10m (33ft) | CB-7724-10 10m (33 ft) | CB-7710-10-2 10m (33 ft) | CB-7710-10-1 10m (30 ft) | CB-7000-30-MIL 9.1m(30ft) | CB-7710-10-2 CB-7710-10-1 10m(33ft) | CB-7710-10-2 CB-7710-10-1 10m(33ft) | CB-7710-10-MIL-2 10 m (33 ft) | CB-7000-30-MIL-18 9.1m (30 ft) CB-7710-10-MIL-2 10 m (33 ft) |
| Optional Cable Lengths (up to) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-45m (33-150 ft) |
| Warranty | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years |

TECHNICAL SPECIFICATIONS

| Fly-Aways | | | | | | | | ManPack | | | |
|---|---|---------------------------------|-----------------------------|---|--|-----------------------------|---|---|--|--|--|
| Models ⇄ Features ↓ | FLY-74 Ka: G/H | FLY-75V | FLY-981 | FLY-98 G/V/H | FLY-1202 Ka: G/V/H | ACFLY-1200 | FLY-1801 | MP-60- MOT | MP-80- MOT | MP-100- MOT | MP-130- MOT |
| Band | Ku / Ka (G/H) | Ka | Ku | Ka | Ku / X Ka (G/V) | Ku | Ku / C | Ku / Ka / X | Ku / Ka / X | Ku / Ka / X | Ku / Ka / X |
| Deployed Height(mm) | Approx 1200 | 1325 | 1660 | G: 1660 V: 1580 H: 1580 | 1875 | 1580 | 2690 | 900 | 1110 | 1300 | 1550 |
| Total Weight (Kg) | 64 | 64 | 64 | 64 | 137 | 64 | 226 | 21 | 21 | 21.5 | 33 |
| Max. RF (BUC/LNB) Platform weight(Kg) | 5 | 5 | 5 | 5 | 15 | 5 | 15 | 1.2 | 1.2 | 1.2 | 1.4 |
| Max. RF, BUC Dims (LxWxH/inches) | TBD | 3W | 2 - 40W | G/V:3WCustum H: 2W Custom | 12x8x6 | 10x8x4.5 | 19x12x6.5 | 3.9x3.9x2.56 | 3.9x3.9x2.56 | 3.9x3.9x2.56 | 5.5x3.9x1.7 |
| Reflector | Metal | Skyware 75 Ka | Skyware Global 98 | Skyware Global 98 | Carbon Fibre | Carbon Fibre | Carbon Fibre | Carbon Fibre 6 segments | Carbon Fibre 5 segments | Carbon Fibre 7 segments | Carbon Fibre 7 segments |
| Elevation (degrees) | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 90 | 5 to 90 | 10 to 90 | 0 to 90 | 5 to 90 | 5 to 90 | 5 to 90 | 5 to 90 |
| Pol (+- degrees) | Ku: 95 G/H: CP Auto RH/LH | Circular Auto- switching | 90 | G: Circular ±45 V: Circular Auto-switching H: Circular ±45 Manual | Ku: 95 X: 45 (LHCP RHCP) Ka-G: (LHCP/ RHCP) Ka-V: N/A | 95 | 95 | Ku: 95 Ka:LHCP/RHCP X:LHCP/RHCP | Ku: 95 Ka:LHCP/RHCP X:LHCP/RHCP | Ku: 95 Ka:LHCP/RHCP X:LHCP/RHCP | Ku: 95 Ka:LHCP/RHCP X:LHCP/RHCP |
| Frequency Rx (GHz) | Ku: 10.70-12.75 G:17.80-20.20 H:17.70-20.20 | 18.30- 20.20 | 10.70-12.75 | G/H:19.20-20.20 V: 18.30-20.20 | Ku:10.70-12.75 X: 7.25 - 7.75 Ka-G:19.20-20.20 Ka-V:18.30-20.20 | 10.70-12.75 | Ku: 10.70-12.75 C-Lin: 3.40-4.20 C-Cir: 3.625-4.20 | Ku:10.70-12.75 Ka:19.20-21.20 X:7.25-7.75 | Ku:10.70-12.75 Ka:19.20-21.20 X: 7.25 - 7.75 | Ku:10.70-12.75 Ka:19.20-21.20 X: 7.25 - 7.75 | Ku:10.70-12.75 Ka:17.7 - 21.2 X: 7.25 - 7.75 |
| Frequency Tx (GHz) | Ku: 13.75-14.50 G: 29.00-30.00 H: 28.00-30.00 | 28.10- 30.00 | 13.75-14.50 | G/H:29.50-30.00 V: 28.10-30.00 | Ku:13.75-14.50 X: 7.90-8.40 Ka-G:29.50-30.00 Ka-V:28.10-30.00 | 13.75-14.50 | Ku:13.75-14.50 C-Lin:5.85-6.725 C-Cir:5.85-6.425 | Ku:13.75-14.50 Ka: 29.0 - 31.0 X: 7.90 - 8.40 | Ku: 13.75-14.50 Ka: 29.0 - 31.0 X: 7.90 - 8.40 | Ku: 13.75-14.50 Ka: 29.0-31.0 X: 7.90 - 8.40 | Ku:13.75-14.50 Ka: 27.5-31.0 X: 7.90 - 8.40 |
| Midband Gain (Rx, Tx) | Ku: 37.8, 39.2 G/H: 41.6, 45.3 | 41.40, 44.50 | 39.70, 41.20 | 43.50, 46.60 | Ku: 41.80, 43.30 X: 37.20, 37.80 Ka-G/V: 46.5, 49.9 | 41.50, 43.00 | Ku: 45.30, 46.50 C-Lin: 35.40, 39.30 C-Cir: 35.4, 39.50 | Ku: 35.70, 37.20 Ka: 40.20, 43.20 X: 32.10, 32.70 | Ku: 38.30, 39.60 Ka: 42.60, 45.70 X: 34.60, 35.0 | Ku: 40.10, 41.40 Ka: 44.50, 47.60 X: 36.40, 37.0 | Ku: 41.8, 43.8 Ka: N/A, N/A X: N/A, N/A |
| Wind Deployed (km/h) | 100w/ballast | 100w/ ballast | 100 w/ballast | 100 w/ballast | 145 w/ballast | 50w/ballast | 120w/ballast | 72 w/ballast | 72 w/ballast | 72 w/ballast | 72 w/ballast |
| Survival Temp. (°C) | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 70 |
| Operational Wind (km/h) | 72w/ ballasat | 50no 72w/ ballasat | 50no ballast 72w/ballast | 50 no ballast 72 w/ ballast | 48 no ballast 72 w/ ballast | 50w/ballast | 72 w/ballast | 25 no ballast 45 w/ ballast | 25 no ballast 45 w/ ballast | 25 no ballast 45 w/ ballast | 45 w/ ballast |
| Operational Temp. (°C) | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 55 | -30 to 55 | -20 to 55 | -20 to 55 | -20 to 55 | -20 to 60 |
| Controller | 7715 | 7715 | 7715 | 7715 | 7715 | 7024C | 7715 | 8020 | 8020 | 8020 | 8050 |
| Stand. Cables (75 Ohm) (50 Ohm- Opt.) | CB-7710-10-2 10m (33ft) | CB-7710- 10-1C 10m (33ft) | B-7710-10-2 10m (33 ft) | CB-7710-10-2 10m (33 ft) | CB-7710-10-2 10m (33 ft) | CB-FLY-AC-30 10m (33 ft) | CB-7710-10-2 10m (33 ft) | CB-8020-5 | CB-8020-5 | CB-8020-5 | CB-8020-5 |
| Opt. Cable Lengths (up to) | 10-60m (33-200ft) | 10-60m (33-200ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | CB-8020-10 | CB-8020-10 | CB-8020-10 | CB-8020-10 |
| Warranty | 2 years | 2 years | 2 years | 2 years | 2 years | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year |

TECHNICAL SPECIFICATIONS

Fixed Motorized

| Models ⇄ Features ↓ | FMA-120 Ka | FMA-121 | FMA-180+ | FMA-241 |
|--|-----------------------------------|--|---|---|
| Band | Ka | Ku | Ku, C-Linear, C-Circular, X-Circular | Ku, C-Linear, C-Circular, X-Circular |
| Deployed Height(mm) | N/A | N/A | N/A | N/A |
| Total Weight (Kg) | N/A | N/A | N/A | N/A |
| Max. RF (BUC/LNB) Platform weight(Kg) | 5 | 10 | 10 | 10 |
| Max. RF, BUC Dims (LxWxH/inches) | 4W Custom | Any | Any | Any |
| Reflector | Glass reinforced polyester SMC | Glass reinforced polyester SMC | Glass reinforced polyester SMC | Glass reinforced polyester SMC |
| Elevation (degrees) | 0 to 90 | 0 to 90 | 10 to 90 | 10 to 90 |
| Pol (+- degrees) | Circular, Auto-switching | 90 | 90 | 90 |
| Frequency Rx (GHz) | 19.70 - 20.20 | Ku: 10.70-12.75 X-Band: 7.25-7.75 | Ku: 10.95-12.75 C-Linear: 3.625- 4.20 C-Circular: 3.625- 4.20 X-Band: 7.25-7.75 | Ku: 10.70-12.75 C-Linear: 3.40- 4.20 C-Circular: 3.625-4.20 X-Circular: 7.25-7.75 |
| Frequency Tx (GHz) | 29.50 - 30.00 | Ku: 13.75 - 14.80 X-Band: 7.90-8.40 | Ku: 13.75-14.50 C-Linear: 5.845-6.725 C-Circular: 5.85-6.425 X-Band: 7.908.40 | Ku: 13.75-14.50 C-Linear: 5.925-6.725 C-Circular: 5.85-6.425 X-Circular: 7.90 - 8.40 |
| Midband Gain (Rx, Tx) | 46.50, 49.90 | Ku: 41.50, 43.00 X: 37.40, 38.10 | Ku: 47.40-49.20 C-Linear: 38.20, 42.20 C-Circular: 38.00-42.00 X-Band: 40.90-41.60 | Ku: 47.40-49.20 C-Linear: 38.20-42.20 C-Circular: 38.00-42.00 X-Band: 43.70-44.40 |
| Wind Deployed (km/h) | 200 | 200 | 200 | 201 |
| Survival Temp. (°C) | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 |
| Operational Wind (km/h) | 72 | 72 | 72 | 80 |
| Operational, Temp. (°C) | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 55 |
| Controller | 7024C | 7715 | 7024C | 7715 |
| Stand. Cables (75 Ohm) (50 Ohm- Opt.) | CB-FMA-1200-50-F 15m (50 ft) | CB-FMA-1200-50-F 15m (50 ft) | CB-FMA-1800-50-F 15m (50 ft) | 15m (50 ft) |
| Opt. Cable Lengths (up to) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) | 10-60m (33 - 200 ft) |
| Warranty | 1 year | 1 year | 1 year | 1 year |