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New Gen DRIVEAWAY ANTENNAS



NewGen Drive-Aways

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

74

Ka-74G

Ka-74H

Ka-75V

Ka-75VP



980+

982

Ka-98G

Ka-98V

Ka-98H/Jup



1200+

Ka-1200G+

Ka-1200V+

1501+

1801



TECHNICAL SPECIFICATIONS

The iNetVu® 74 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.

Field Upgradable to Ka-74G and Ka-74H

Features

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

Application Versatility

If you operate in Ku-band, the 74 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.

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	$\pm 90^\circ$
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)	10.70 - 12.75 ⁽¹⁾	13.75 - 14.50
Optional	10.70 - 11.70	12.75 - 14.50
Feed Interface	WR-75	WR-75
Gain (+/-0.5 dBi)	37.8@12.75 GHz	39.2@14.0 GHz
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	25db	30 dB in 1 dB Contour
VSWR	1:3.1	

Note:

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

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U F Type
Axis Transition	Twist-Flex Waveguide

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.)
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Shipping Weights & Dimensions*

System, with controller and standard set of cables, accessories
 Crate (including Reflector, Feed):

185.5 cm x 112 cm x 68.5 cm (73" x 44" x 27"), 127 kg (280 lbs)

Crate (no Reflector, no Feed):

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.



3W-XRE

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.

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	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	
Frequency (GHz)	Receive	Transmit
	3W-XRE 17.30 - 20.20	28.4455 - 28.9455
		& 29.50 - 30.00
	3W-XRF 17.80 - 20.20	29.00 - 30.00
	Konnect 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 < ∅ < 20°	29 - 25 Log ∅
	20° < ∅ < 26.3°	-3.5
	26.3° < ∅ < 48°	32-25 Log ∅
	48° < ∅ < 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.)
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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-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.



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Specifications are subject to change

Apr 2025

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Ka-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 $\pm 2^\circ$ 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	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.)
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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>



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www.c-comsat.com

Specifications are subject to change

Apr 2025

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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.)
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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-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”



eTRIA

pTRIA

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.)
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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



980+

iNetVu®

by C-COM Satellite Systems Inc.

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.



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Specifications are subject to change

Apr 2025

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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.)
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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

982

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 982 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® 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere.



982 Stowed (with pod option)

Field Upgradable to Ka-98G or Ka-98V or Ka-98H/Jup

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® 7715 Controller
- Works seamlessly with the world's most popular commercially available Ku modems and services
- Field Upgradable to Ka-98G or Ka-98V or Ka-98H/Jup
- 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 982 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.

C-COM
SATELLITE SYSTEMS INC.

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www.c-comsat.com

Specifications are subject to change

Apr 2025

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TECHNICAL SPECIFICATIONS

Mechanical

Reflector	98 cm Antenna SMC reflector, 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
Polarization	$\pm 90^\circ$
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") H: 33.4 cm (13.1")	W: 99 cm (39.0")
Stowed Reflector Ext. Dims (with pod)	L: 185 cm (73.2") H: 33.4 cm (13.1")	W: 114.5 cm (45")
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 < 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

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.)
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Shipping Weights & Dimensions*

iNetVu 982 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



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

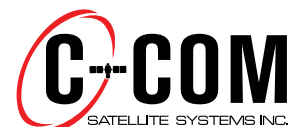
- One-Piece high surface accuracy, offset feed, SMC reflector
- Heavy duty feed arm capable of supporting up to 5kg (10 lbs) RF transceiver
- Designed to work with the iNetVu® 7715 Controller
- Works seamlessly with the world's most popular commercially available Ka modems and services
- 2 Axis motorization (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



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>



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Specifications are subject to change

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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°
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		
Standard	10 m (33 ft) Ext. Cable	
Optional	up to 60 m (200 ft) available	
	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) 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.)
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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



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 Inacom 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.



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 ± 2° 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

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)		
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)	
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")
Stowed Reflector Ext. Dims (with reflector pod)	L: 178.8 cm (70.4")	W: 113 cm (44.5")
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.)
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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.

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Ka-98H/Jup

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 ± 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

IFL 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.)
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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

1200+

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 1200+ Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. 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
- Optional: Carbon Fiber Reflector
- Low stow height, high-precision
- 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 GD 1.2m antenna, Models 1132/3122
- Compliant with Eutelsat and Intelsat
- Available with pod option
- Standard 2 year warranty

Application Versatility

The 1200+ 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.



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1200+

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Reflector Size & Material	1.2m Glass fibre reinforced polyester ⁽¹⁾
Optional Reflector	Carbon Fiber
Platform Geometry	Elevation over Azimuth
Offset Angle	17.35°
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 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-810H, Methods 501.7/502.7 High/Low Temperatures	
Vibration Test per MIL-STD-810H, Method 514.8 Procedure I, Category 4, Truck/Trailer/Tracked	
Shock Test per IEC 60068-2-27 Edition 4.0	
Dust and Water Ingress IP65 per IEC 60529 Edition 2.2	

Electrical

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

RF Interface

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

Notes:

- (1) Antenna based on GD, Models 1132/3122
- (2) LNB PLL Type required with stability better than ± 25 KHz

Physical

Stowed dimensions	L: 204.4 cm (80.5") W: 124 cm(48.8")
	H: 41.2 cm (16.2")
Reflector Weight	16 kg (35.2 lbs)
(including back cover)	
(Optional) Carbon Reflector Weight	7.9 kg (17.4 lbs)
Total Platform Weight with SMC	100 kg (220 lbs)
Total Platform Weight with Carbon	92 kg (203 lbs)

Ku (Linear) / X (Circular)

Max BUC Size & Weight	17.5" x 15.5" x 6.75"	15kg
Feed	2 Port XPol	
	Ku-band (Linear)	X-band (Circular)
Transmit Power	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 - 14.80	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.)

Shipping Weights & Dimensions*

Platform Crated: 211 cm x 66 cm x 64 cm (83" x 26" x 25"), 140 kg (308 lbs)
 Reflector Crated: 142 cm x 15 cm x 130 cm (56" x 6" x 51"), 22 kg (48 lbs)
 Carbon Reflector Crated: 142 cm x 15 cm x 130 cm (56" x 6" x 51"), 14kg (30lbs)
 Total Weight: 162 kg (356 lbs)
 Total Weight with Carbon Reflector: 154kg (339 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 (SMC Reflector):
 127 cm x 122 cm x 20 cm (50" x 48" x 8"), 45.5 kg (100 lbs)
 Reflector: 1-piece (Carbon Reflector):
 127 cm x 122 cm x 20 cm (50" x 48" x 8"), 37.6 kg (83 lbs)

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



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Ka-1200+G



TECHNICAL SPECIFICATIONS

The iNetVu® Ka-1200+G Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. 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.



2 Port CP feed option



Field Upgradable to Ku-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Optional: Carbon Fiber Reflector
- Low stow height, high-precision
- Designed to work with the iNetVu® 7715 Controller
- Supports hand cranks when required
- One button, auto-pointing controller acquires any Ka-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 GD 1.2m antenna, Models 1132/3122
- Compliant with Eutelsat and Intelsat
- Standard 2 year warranty

Application Versatility

The Ka-1200+G 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.



TECHNICAL SPECIFICATIONS

Mechanical

Reflector Size & Material	1.2m Glass fibre reinforced polyester ⁽¹⁾
Optional Reflector	Carbon Fiber
Platform Geometry	Elevation over Azimuth
Offset Angle	17.35°
Antenna Optics	One-piece offset feed, prime focus
Azimuth Travel	± 200°
Elevation Look Angle	0° to 90°
Polarization Travel	± 45° (LH/RH CP)
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 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-810H, Methods 501.7/502.7 High/Low Temperatures	
Vibration Test per MIL-STD-810H, Method 514.8 Procedure I, Category 4, Truck/Trailer/Tracked	
Shock Test per IEC 60068-2-27 Edition 4.0	
Dust and Water Ingress IP65 per IEC 60529 Edition 2.2	

Electrical

Rx & Tx Cables	2 RG6 Cables - 10 m (33 ft) each
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 F Type
	N Type (optional)
Axis transition	Twist-Flex Waveguide

Notes:

(1) Antenna based on GD, Models 1132/3122

Physical

Stowed dimensions	L: 204.4 cm (80.5")	W: 124 cm (48.8")
	H: 41.2 cm (16.2")	
Reflector Weight	16 kg (35.2 lbs)	
(including back cover)		
Total Platform Weight	100 kg (220 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
(Optional) 2 Port CP feed	19.40 - 21.20	29.20 - 31.00
Midband Gain (±.2dB)	46.5	49.9
EIRP (Normal)	54 dBW @ 29.75 GHz	
G/T (Normal)	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)	

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"), 140 kg (308 lbs)
 Reflector Crate: 142 cm x 15 cm x 130 cm (56" x 6" x 51"), 22 kg (48 lbs)
 Total Weight: 162 kg (356 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)

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

Ka-1200+V

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® Ka-1200+V Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. 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 Ku-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Optional: Carbon Fiber Reflector
- Low stow height, high-precision
- 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
- Compliant with commercial Ka Services (Exede & Tooway™)
- Standard 2 year warranty

Application Versatility

The Ka-1200+V 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.



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Ka-1200+V

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Reflector Size & Material	1.2m Glass fibre reinforced polyester ⁽¹⁾
Optional Reflector	Carbon Fiber
Platform Geometry	Elevation over Azimuth
Offset Angle	17.35°
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	75 km/h (46.5 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-810H, Methods 501.7/502.7 High/Low Temperatures
Vibration Test per MIL-STD-810H, Method 514.8 Procedure I, Category 4, Truck/
Trailer/Tracked
Shock Test per IEC 60068-2-27 Edition 4.0
Dust and Water Ingress IP65 per IEC 60529 Edition 2.2

Electrical

Rx & Tx Cables	Single IFL, RG6 Cables - 10 m (33 ft) each
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 F Type

Physical

Stowed dimensions	L: 204.4 cm (80.5")	W: 124 cm (48.8")
	H: 41.2 cm (16.2")	
Reflector Weight (including back cover)	16 kg (35.2 lbs)	
Total Platform Weight	100 kg (220 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"), 140 kg (308 lbs)
Reflector Crate: 142 cm x 15 cm x 130 cm (56" x 6" x 51"), 22 kg (48 lbs)
Total Weight: 162 kg (356 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)

*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

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Ka-1200+H/Jup

iNetVu®

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TECHNICAL SPECIFICATIONS

The iNetVu® Ka-1200+H/Jup Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. 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 Ku-Band

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

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Optional: Carbon Fiber Reflector
- Low stow height, high-precision
- Designed to work with the iNetVu® 7715 Controller
- Supports hand cranks when required
- Adapted to operate on HNS Jupiter based Network Technology
- One button, auto-pointing controller acquires any 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 GD/HNS 1.2m antenna
- Compliant with HNS Jupiter
- Standard 2 year warranty

Application Versatility

The Ka-1200+H/Jup 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.



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Ka-1200+H/Jup

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Reflector Size & Material	1.2m Glass fibre reinforced polyester ⁽¹⁾
Optional Reflector	Carbon Fiber
Platform Geometry	Elevation over Azimuth
Offset Angle	17.35°
Antenna Optics	One-piece offset feed, prime focus
Azimuth Travel	± 200°
Elevation Look Angle	0° to 90°
Polarization Travel	± 45° (LH/RH CP)
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 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-810H, Methods 501.7/502.7 High/Low Temperatures
Vibration Test per MIL-STD-810H, Method 514.8 Procedure I, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27 Edition 4.0
Dust and Water Ingress IP65 per IEC 60529 Edition 2.2

Electrical

Rx & Tx Cables	Single IFL, RG6 Cable - 10 m (33 ft) each
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 F Type

Physical

Stowed dimensions	L: 204.4 cm (80.5")	W: 124 cm (48.8")
	H: 41.2 cm (16.2")	
Reflector Weight (including back cover)	16 kg (35.2 lbs)	
Total Platform Weight	100 kg (220 lbs)	

Ka-Band

	Receive	Transmit
Frequency (GHz)	17.70 -20.20	29.50 - 30.00
Midband Gain (±.2dB)	46.5	49.9
EIRP (Normal)	54 dBW @ 29.75 GHz	
G/T (Normal)	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	>25 dB	
VSWR	1.3:1 (Max)	

Shipping Weights & Dimensions*

Platform Crated: 211 cm x 41 cm x 61 cm (83" x 16" x 24"), 140 kg (308 lbs)
Reflector Crate: 142 cm x 15 cm x 130 cm (56" x 6" x 51"), 22 kg (48 lbs)
Total Weight: 162 kg (356 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)

*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 GD, Models 1132/3122

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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.

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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-810H, Methods 501.7/502.7 High/Low	
Temperatures, Vibration Test per MIL-STD-810H, Method 514.8 Procedure I, Category 4, Truck/Trailer/Tracked, Shock Test per IEC 60068-2-27 Edition 4.0	
Dust and Water Ingress IP65 per IEC 60529 Edition 2.2	

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	Receive
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	17.70 - 21.2 ⁽²⁾
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			WR42
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)					DSCS Req.		
1.5° < Θ < 20°	Meets ITU 580, INTELSAT		IESS 601 STD G				
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

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

⁽³⁾ Call your C-COM sales representative for availability

⁽⁴⁾ Offered on platforms only



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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.

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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	Rx 1.50:1 Tx 1.30:1

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)

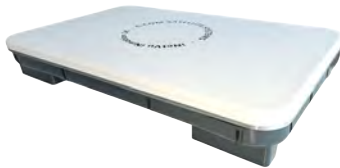
*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

ESA Antenna



Main Features/Capabilities

- Supports GEO, LEO, MEO Constellations
- Ka-band Frequency: Transmit: 27.5-30.0 GHz
Receive: 17.7-20.2 GHz
- Electronic Beam Steering and Tracking
- Elevation Angles: 20-90 deg; (70deg from Boresight) with scan loss up to 5dB
- Azimuth Angles: 360 deg Continuous
- Polarization: Software switchable, Linear (H/V) or CP (RH/LH)



iNetVu® iNmotion 1K

Aperture Size:	TX: 1024 elements (32x32) RX: 1024 elements (32x32)
Gain:	~33 dBi
G/T:	~8 dB/deg.K @ 20GHz (Boresight)
EIRP:	~41 dBW @ 30 GHz (Linear Power @ Boresight)
Radiation Pattern HPBW:	~3.0deg
Power Consumption:	~255W @ P1 dB (153W for TX and 102W for RX)
Physical Size: (LXWXH):	70cm x 45cm x 11cm
Weight:	25Kg
Operating Temp:	-40C to +55C
Storage Temp:	-55c to +70C

iNetVu® iNmotion 4K

Aperture Size:	TX: 4096 elements (64x64) RX: 4096 elements (64x64)
Gain:	~39 dBi
G/T:	~14 dB/deg.K @ 20GHz (Boresight)
EIRP:	~53 dBW @ 30 GHz (Linear Power @ Boresight)
Radiation Pattern HPBW:	~1.7deg
Power Consumption:	~1000W @ P1 dB (600W for TX and 400W for RX)
Physical Size: (LXWXH):	137cm x 87cm x 12.6cm
Weight:	40Kg
Operating Temp:	-40C to +55C
Storage Temp:	-55c to +70C



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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

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

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.

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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.)
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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

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

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.

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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 $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$
Azimuth	$\pm 175^\circ$
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.)
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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



TECHNICAL SPECIFICATIONS

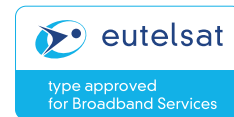
The iNetVu® FLY-75V Flyaway Antenna is a 75 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7715 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.

“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)



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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.)
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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

iNetVu®
by C-COM Satellite Systems Inc.

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.

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FLY-981



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	$\pm 90^\circ$
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 $^\circ$ to 60 $^\circ$ C (-22 $^\circ$ to 140 $^\circ$ F)
Survival	-40 $^\circ$ to 65 $^\circ$ C (-40 $^\circ$ to 149 $^\circ$ 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 $^\circ$ EL=53 / 20 $^\circ$ EL= 39 / 30 $^\circ$ EL= 32 Max.	
Sidelobe Envelope Co-Pol (dBi)		
1.8 $^\circ$ < θ < 20 $^\circ$	29 - 25 Log θ	
20 $^\circ$ < θ < 26.3 $^\circ$	-3.5	
26.3 $^\circ$ < θ < 48 $^\circ$	32-25 Log θ	
48 $^\circ$ < θ < 180 $^\circ$	-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.)
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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.

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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)	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.)
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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.

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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.)
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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.

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 Inacom 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

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FLY-98H

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 ± 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") 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.)
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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.

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.

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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.)
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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.

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.

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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 400 Watt	1 to 40 Watt
Receive Frequency (GHz)	10.70 – 12.75 ⁽²⁾	7.25-7.75
Transmit Frequency (GHz)	13.75 - 14.80	7.90-8.40
Optional Ext. Ku Freq (GHz)		
Receive Frequency (GHz)	10.70 - 11.70 ⁽¹⁾	
Transmit Frequency (GHz)	12.75 - 14.80	
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

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FLY-1202V

iNetVu®
by C-COM Satellite Systems Inc.

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.

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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.

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Specifications are subject to change

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FLY-1202G



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 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	> 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.

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Specifications are subject to change

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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

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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.

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Specifications are subject to change

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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	$\pm 95^\circ$ deg or manual LH/RH Circular Polarity
Elevation Deploy	Variable 3°/sec, 2°/sec typ.
Speed Azimuth Deploy	Variable 5°/sec, 2°/sec typ.
Speed 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

Antenna Bands

	1 to 400 watt				1 to 500 watt			
	<i>Ku-Linear/Circular</i>		<i>C-Linear</i>		<i>C-Circular</i>		<i>X - Circular</i>	
	Receive	Transmit	Receive	Transmit	Receive	Transmit	Receive	Transmit
Transmit Power ⁽¹⁾	1 to 400 watt						1 to 500 watt	
Frequency (GHz)	10.70 - 12.75 ⁽²⁾	13.75 - 14.80	3.40 - 4.20 ⁽²⁾	5.850	3.40-4.20 ⁽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	4.50-4.80	6.275-7.025		
INSAT Frequency Copol (GHz)			4.50-4.80	6.724-7.025	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	40.4	41.0
Antenna Noise Temp. (K)	10° EL = 60 / 20° EL = 53		10° EL = 43 / 20° EL = 38		10° EL = 55 / 20° EL = 50		10° EL=50K/ 20° EL=45K/ 30° EL= 40K	
Sidelobe Envelope, Co-Pol (dBi)							DSCS Req	
1.5°< θ <20°	29-25 Log θ		2.5°< θ <20°		2.8°< θ <20°			
20°< θ <26.3°	-3.5		20°< θ <26.3°		20°< θ <26.3°			
26.3°< θ <48°	32-25 Log θ		26.3°< θ <48°		26.3°< θ <48°		-14dB (First sidelobe)	
48°< θ <180°	-10 (Average)		48°< θ <180°		48°< θ <180°		-10 (Average)	
Cross-Polarization on Axis ⁽³⁾	-35 dB	-35 dB	-30 dB	-30 dB	-30 dB	-30 dB	-30 dB	-30 dB
Within 1dB Beamwidth	-28 dB	-28 dB	-26 dB	-26 dB	-26 dB	-26 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
- (2) LNB PLL Type required with stability better than ± 25 KHz
- (3) Ku-Circular Cross-Pol on Axis data not 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

iNetVu[®]

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MANPACKS

AUTOMATIC



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TECHNICAL SPECIFICATIONS

MP-60-MOT



MP-80-MOT



MP-100-MOT



MP-130-MOT



MP-60-MOT

iNetVu®
by C-COM Satellite Systems Inc.

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 (Front View)



Soft Case Solution (Rear View)



Reflector Segments



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.

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MP-60-MOT

iNetVu®

by C-COM Satellite Systems Inc.

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 Ilc - 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.

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 (Front View)



Soft Case Solution (Rear View)



Reflector Segments



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.

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MP-80-MOT



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 $\pm 5^\circ$
	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)	38.30	39.60
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	1.3:1	1.3:1

Ka-Band (Circular)

	Receive	Transmit
Operating Frequency (GHz)	17.7 - 21.2 ⁽²⁾	27.5 - 31.0
Midband Gain ($\pm .2$ dBi)	42.60	45.70
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)	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 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 (1.1 lbs)
Larger BUCs must use quick disconnect flex waveguide metric

MP-100-MOT

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

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 (Front View)



Soft Case Solution (Rear View)



Reflector Segments



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.

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MP-100-MOT



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 $\pm 5^\circ$
	Tilt sensor $\pm 0.05^\circ$
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	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): 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 ($\pm .2$ dBi)	40.10	41.40
Sidelobe Envelope Co-Pol (dBi)		
100 λ /D $^\circ$ < Θ < 7 $^\circ$	35-25 Log Θ	
7 $^\circ$ < Θ < 9.2 $^\circ$	13.9	
9.2 $^\circ$ < Θ < 48 $^\circ$	38-25 Log Θ	
48 $^\circ$ < Θ < 180 $^\circ$	-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 ($\pm .2$ dBi)	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 ($\pm .5$ dB)	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.

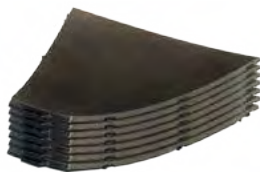
TECHNICAL SPECIFICATIONS

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.



2 Soft Case Solution (Front View)

2 Soft Case Solution (Rear View)



Reflector Segments



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.

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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
Control Cables: Standard 5m (16ft), Optional up to 60m (200ft)⁽⁴⁾

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 - 100/200/230/240
iDirect - Evolution/Velocity- 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 ($\pm .2$ dB)	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 ($\pm .2$ dB)	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 ($\pm .5$ dB)	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
- (4) Optional cables may require a second case

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1M Troposcatter Antenna

iNetVu[®]

by C-COM Satellite Systems Inc.



Environmental

Operating Temperature: -40°C ~ +55°C
Storage Temperature: -55°C ~ +70°C
Operating Altitude: ≤ 3500m
Wind load
 Operating: 50 Km/h
 Survival: 75 Km/h
Shock, Vibration, Mold per MIL-STD-810G
Water Ingress per IP-65

Note:

⁽¹⁾ Excluding weights of BUC/LNB

Antenna aperture

The antenna aperture is 1m (7 segments) carbon fiber antenna

Electrical

Operating frequency	4.4-5.0 GHz
Gain (mid band)	≥ 31.2dBi (@ 4.7 GHz)
VSWR	≤ 1.3
Side lobe suppression	≤ -14dBc
POL mode	H/V linear polarization
RF interface	WR-187/ N-50K (waterproof)
Power capacity	≤ 125W

Mechanical

- The elevation of the antenna can be adjusted and locked manually, the adjustment range is -3°~15°
- The azimuth of the antenna can be adjusted and locked manually, the adjustment range is ± 15°
- The antenna is provided with horizontal bubble device, which can show whether the antenna is horizontal
- EL range: -3°~15° (in 1° accuracy)
- AZ range: ±15° (in 1° accuracy)
- PL range: 0°, ± 90° (supported positions)
- The antenna is provided with position for fixing the rope, the rope length can be adjusted and the locking device is provided
- The center height of antenna reflector: ≥2m
the maximum height is ≤ 2.5m
- Assembly time ≤ 5min (2 persons)

Shipping Weights and Color

Total weight with soft case: 20 Kg⁽¹⁾

Color of antenna: Customer Green RAL 6031



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 repointing 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.

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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) (Optional)	10.70 - 12.75 ⁽²⁾ 10.70 - 11.70	7.25 - 7.75
Transmit Frequency (GHz) (Optional)	13.75 - 14.80 12.75 - 14.50	7.90 - 8.40
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



FMA-180+

iNetVu®
by C-COM Satellite Systems Inc.

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.

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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

iNetVu®
by C-COM Satellite Systems Inc.

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.

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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



TECHNICAL SPECIFICATIONS

7000/24 Controller



7715 Controller



3000 Controller



BR400L



PowerSmart



Transportable Cases



Climate-Controlled AC Case



Transportable Skid



Cables



7000/7024 Controller



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

ipstar
 IPX-5100/9200
 IPX-3200

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

iDirect
 INFINITI 3000/5000/7000 Series
 Evolution X5/X7/IQ200
 Velocity - X7

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

Romantis/UHP/Eastar
 UHP-1000/200/230/240

STM
 SatLink 1000/1910/2000/2900

Newtec
 MDM-3100 (standalone)
 MDM 3X00/MDM2510/MDM6000

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

Paradise
 Evolution/ Quantum Series

Tachyon
 CI-1300
 Ruggedized RMG

Spacebridge (Advantech)
 E7000 (S5100)
 U7400 (S5420)

* 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



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/Velocity X7/IQ200	Comtech/UHP/CEL UHP/CEL-230/240
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 x 44 cm x 20 cm (21" x 17" x 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

iNetVu®
by C-COM Satellite Systems Inc.



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)

C-COM
SATELLITE SYSTEMS INC.

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

Specifications are subject to change

Apr 2025

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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

Apr 2025

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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)
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Specifications are subject to change

Draft

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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® 1200 2-Cases, 1-Piece Reflector:



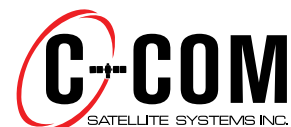
Major Features

- 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



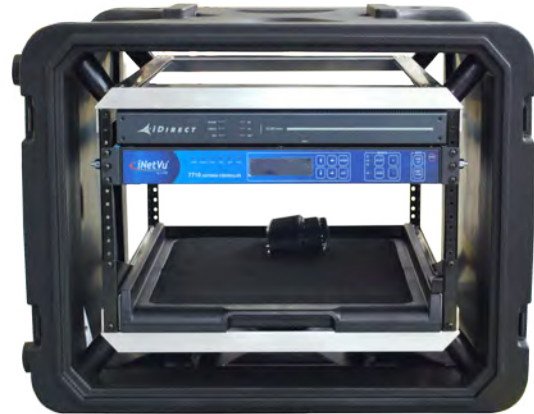
Transportable Cases

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



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 1200+

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® Transportable Skid is a robust transportable base which is designed to support the iNetVu® 1200+ 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

Skid w/ system (with shocks)	146 cm x 218 cm x 62.4 cm (57.5" x 85.9" x 24.6")
Weight: Skid only	78.9 kg (174 lbs)
Weight: Skid w/ system	160.9 kg (355 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")
Weight:	224.3 Kg (494.5 lbs)
Lid weight:	45.4 Kg (100 lbs)
Controller + Cable weight:	18.1 Kg (40 lbs)
Total shipping weight:	242.4 Kg (534.4 lbs)

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

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www.c-comsat.com

C-COM
SATELLITE SYSTEMS INC.

Specifications are subject to change

Apr 2025

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Cables

iNetVu®

by C-COM Satellite Systems Inc.



7715/7710 Cable

8050/8020 Cable

7000 Cables

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 Pwr/CAN Cable - 7 conductor cable

- 16 AWG / 22 AWG
- Metalized AMP 12 Pin to AMP 12 Pin connectors
- 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)

8050 AC/DC Extension - 2/3 Conductor cables

- 14 AWG / 18 AWG
- Plastic 3 Pin to 2 Pin connectors
- 6m (20 feet)
- Weight: 0.4 kg (0.9 lbs)

RX Cable Splitter - 2 to 1 Splitter

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

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)

Modem Cable - RG6 Co-axial cable

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

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)

Controller Cable - RG6 Co-axial cable

- F-Type connectors
- 75 ohm
- 1m (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.

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Specifications are subject to change

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iNetVu® OneWeb Mobility Mount - HL1100 ESA Terminal



TECHNICAL SPECIFICATIONS

The iNetVu® HL1100 OneWeb Mobility Mount is designed to support the installation of the Hughes HNS HL1100 ESA Terminal onto the roof of a vehicle, or any other structure or platform. The OneWeb Mobility Mount makes it possible to deliver mobile communications using the Eutelsat OneWeb LEO Constellation.

Designed with and Certified by Hughes

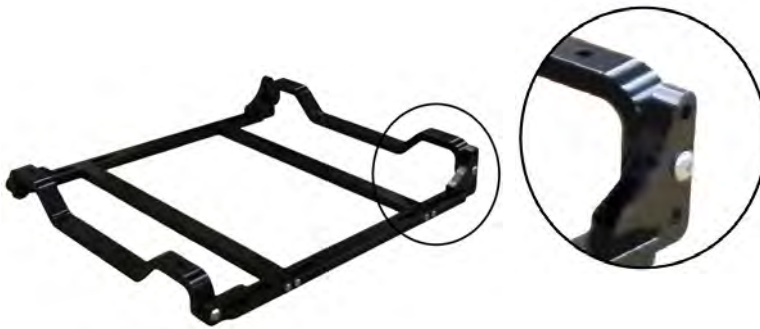
Feature

- Rigid Aluminum construction lightweight & robust
- Assembly within few minutes - all fasteners included
- Allows HL1100 Single Panel Antenna to be quickly mounted on roof racks
- One person installation
- Optimized for Thule, Yakima, and other industry standard roof racks
- Both products accommodate the Hughes HL1100 ODU (ESA), IDU, and PSU, with no modifications required
- Optional adjustable tilt adapter kit offers 3 tilt settings (0, 3, or 6 deg) to help optimize the installation on inclined surfaces/platforms
- Standard 2 year warranty



Non Adjustable OneWeb Mobility Mount Pre-Assembled
(OW-1100-NON-ADJ)

Non-Adjustable OneWeb Mobility Mount
w/Panel



Adjustable OneWeb Mobility Mount Pre-Assembled
(OW-1100-ADJ)

Adjustable OneWeb Mobility Mount w/Panel
(Shown at 3 deg)

Physical

Non-Adjustable OneWeb Mobility Mount: (OW-1100-NON-ADJ)	LxWxH: 52.0x34.5x5.3cm (20.5"x13.5"x2.0")
Weight:	1.1 kg (2.4 lbs)
Adjustable OneWeb Mobility Mount: (OW-1100-ADJ)	LxWxH: 52.0x44.1x10.2cm (20.5"x17.4"x4.0")
Weight:	2.6 kg (5.7 lbs)

Shipping Weights & Dimensions*

HL1100 OneWeb Mobility Mount packaging:
Non-Adjustable: 81x15x15cm (32"x6"x6"); 1.5 kg (3.5 lbs)
Adjustable: 81x15x15cm (32"x6"x6"); 3 kg (6.5 lbs)

HL1100 OneWeb Mobility Mount Assembled packaging:
Non-Adjustable: 56x46x10cm (22"x18"x4"); 1.5 kg (3.5 lbs)
Adjustable: 56x46x10cm (22"x18"x4"); 3 kg (6.5 lbs)

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

iNetVu® OneWeb Mobility Mount- HL1120 ESA Terminal



TECHNICAL SPECIFICATIONS

The iNetVu® HL1120 OneWeb Mobility Mount is designed to support the installation of the Hughes HNS HL1120 ESA Terminal onto the roof of a vehicle or any other structure or platform. The OneWeb Mobility Mount makes it possible to deliver mobile communications using the Eutelsat OneWeb LEO Constellation.

Designed with and Certified by Hughes

Feature

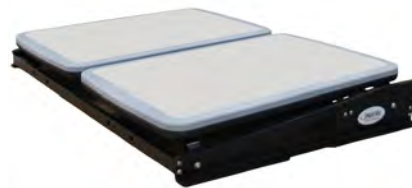
- Rigid Aluminum construction lightweight & robust
- Assembly within few minutes - all fasteners included
- Allows HL1120 Dual Panel Antenna to be quickly mounted on roof racks
- One person installation
- Optimized for Thule, Yakima, and other industry standard roof racks
- Optional adjustable tilt adapter kit offers 3 tilt settings (0, 3, or 6 deg) to help optimize the installation on inclined surfaces/platforms
- Standard 2 year warranty



Non-Adjustable OneWeb Mobility Mount Pre-Assembled
(OW-1120-NON-ADJ)



Non-Adjustable OneWeb Mobility Mount
w/Panel



Adjustable Low-Profile OneWeb Mobility Mount
w/Panel (Shown at 3 deg)



Adjustable Low-Profile OneWeb Mobility Mount Pre-Assembled
(OW-1120-ADJ)

Physical

Non-Adjustable OneWeb Mobility Mount: (OW-1120-NON-ADJ) Weight:	LxWxH: 77.5x54.5x11.5 cm (30.5"x21.4"x4.5") 4.0 kg (8.8 lbs)
Adjustable Low-Profile OneWeb Mobility Mount: (OW-1120-ADJ) Weight:	LxWxH: 89.0x60.0x10.0 cm (35.0"x23.6"x3.9") 6.2 kg (13.7 lbs)

Shipping Weights & Dimensions*

HL1120 OneWeb Mobility Mount packaging:
 Non-Adjustable: 81x15x15cm (32"x6"x6"); 4.3 kg (9.5 lbs)
 Adjustable: 81x15x15cm (32"x6"x6"); 6.8 kg (15 lbs)

HL1120 OneWeb Mobility Mount Assembled packaging:
 Non-Adjustable: 91x61x15cm (36"x24"x6"); 4.3 kg (9.5 lbs)
 Adjustable: 91x61x15cm (36"x24"x6"); 6.8 kg (15 lbs)

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



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





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
				




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"	
		




Approved Compatibility

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


CONTROLLERS

iNetVu® 7000/7024	iNetVu® 7710
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Ka-98H/Jup	980+
"Approved for operation on Hughes JUPITER System"	
	


HughesNet	HughesNet
DW 6000/7000 HN 7000/7000S HN 9200/9260 HN 9400/9460 HN 9600/9800 HX 50/90/100/200/250/260 HT 1100/1200/1300/2000	HN 7000/7000S HN 9200/9260 HN 9400/9460 HN 9600/9800 HX 50/90/100/200/250/260 HT 1100/1200/1300/2000



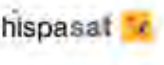
Ka-98G	FLY-98G
"Avanti Approved & Thor7 Type Approved; Field Upgradeable to Ku-band"	"Thor7 Type Approved and Compliant for use on Avanti Hylas Ka Satellite Services"
	

ViaSat	ViaSat
Linkstar II/IV/S2/S2A Surfbeam II/PRO Surfbeam II Auto-acquire Tooway/PRO	Surfbeam II/PRO Tooway/PRO
iDirect	iDirect
iNFINITI 3000/5000/7000 Series Evolution X5/X7	Evolution X5/X7



981


Gilat	Gilat
Skyedge II/IP Skyedge III/Pro/Access Skyedge IIc (Standalone)	Skyedge II/IP Skyedge III/Pro/Access Skyedge IIc (Standalone)
Comtech/ Radyne	Comtech/ Radyne*
CDM-600L/570L/625/840 DMD 20/DMD 20 LBST SkyWire MDX420	CDM-600L/570L/625/840 DMD 20/DMD 20 LBST SkyWire MDX420
Ipstar	Ipstar*
IPX-5100/9200 IPX-3200	IPX-5100/9200 IPX-3200



1200


Romantis/UHP/Eastar	Romantis/UHP/Eastar*
UHP-1000/200	UHP-1000/200
Newtec	Newtec
MDM-3100 (standalone) MDM 3X00/MDM2500	MDM-3100 (standalone) MDM 3X00/MDM2500
STM	STM
SatLink 1000/1910/2000/2900	SatLink 1000/1910/2000/2910

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

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

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

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

Optus
981 (Ka) 7024C

Hispasat
1200 (Ku) 7000

Paradise	Novelsat
Evolution/ Quantum Series	NS3000
Tachyon	DATUM
CI-1300 Ruggedized RMG	M7
Spacebridge	
E7000 U7400	

* 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+	1501+	1801
					G	V			
Band	Ku	Ka	Ka	Ku (Ka Upgradable)	Ka	Ka	Ku	Ku, C-Linear, C-Circular	Ku, C-Linear, C-Circular
Deployed Height (mm)	1220	1220	1260	1510	1510	1510	1882	2002	2480/2550
Stowed Height (mm)	300	300	350	350	300	300	412	412	670/500
Total Weight (Kg)	52	52	52	54	54	54	100	81.3	162/185
Max. RF (BUC/LNB) Supported weight (Kg)	5	5	5	5	5	5	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	17.5x15.5x6.75	14.0x15.2x8	1800+:19.0x9.75x8.0 1801: 19.0 x 9.0 x7.5
Reflector	Metal	Metal	ViaSat 75Ka	Prodelin 1984/1985	Skyware 98 Ka	Skyware 98Ka	Prodelin 1132/1134	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 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)	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	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	12.75-14.50	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	41.50, 43.00	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
Wind Stowed (km/h)	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
Operational, Wind (km/h)	72	72	72	72	72	72	75	72	72
Operational, Temp. (°C)	-30 to 55	-30 to 55	-30 to 55	-30 to 55	-30 to 55	-32 to 55	-30 to 56	-30 to 55	-32 to 55
Controller	7715	7715	7024/ 7715	7024C	7715	7715	7715	7715	7000C7715
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-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 - 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

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) Supported 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	13.2x8x6	10x8x4.5	19x12x6.5	3.9x3.9x2.56 LBI:7.5x5.5x3.5	3.9x3.9x2.56 LBI:7.5x5.5x3.5	3.9x3.9x2.56 LBI:7.5x5.5x3.5	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) Supported 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