C-COM SATELLITE SYSTEMS INC

iNetVu® Spec Sheets

April 15, 2024

New Gen Drive-Aways

Classic Drive-Aways

Fly-Aways

ManPacks

FMA's (Fixed Motorized)

Controllers & Accessories

Vertical Markets

Matrix (Specification Chart)

iNetVu® by C-COM Satellite Systems Inc.

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

New Gen
Driveaway Antennas

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 2024

NewGen Drive-Aways

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

Ka-75VP

Ka-74G

Ka-74H

Ka-75V

980+

Ka-98G

Ka-98V

Ka-98H/Jup

1202

Ka-1202V

Ka-1202G

1501

1801

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

Apr 2024

Ka-75VP

iNetVu® by C-COM Satellite Systems Inc.

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

ViaSat
EXEDE® ENTERPRISE AUTHORIZED EQUIPMENT

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.

C-COM SATELLITE SYSTEMS INC.

Ka-75VP

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

Survival	
Wind Deployed	160 km/h (100 mph)
Wind Stowed	225 km/h (140 mph)
Temperature	-40ºC to 65ºC (-40°F to 150°F)
Operational	
Wind	72 km/h (45 mph)
Temperature	-30ºC to 55ºC (-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 dBWi	
Radiation Pattern Compliance	FCC CFR Title 47 Part 25.138	
	ETSI EN 301 459 V.1.4.1 / ITU S.524.9	

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from Transceiver to Base Connector

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

System, with controller and standard set of cables, accessories
Crate (including Reflector, Feed/Transceiver):
185.5 cm × 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

C-COM SATELLITE SYSTEMS INC.

Ka-74G

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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® 7710 Controller providing fast satellite acquisition within minutes, anytime anywhere.

Approved On Eutelsat Konnect Services

Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5 kg (10 lbs) RF Tranceiver
- Designed to work with the iNetVu® 7710 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

EUTELSAT
characterized
for broadband services

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.

C-COM SATELLITE SYSTEMS INC.

Ka-74G

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

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

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

Electrical

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

	Receive	Transmit
Frequency (GHz)		
3W-XRF	17.80 - 20.20	29.00 - 30.00
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)	30º EL= 50 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-10 (typical)	
Cross-Polarization	> 23 dB	> 25 dB
VSWR	1.3:1	

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from Transceiver to Base Connector

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

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

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

Ka-74H

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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® 7710 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® 7710 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.

C-COM SATELLITE SYSTEMS INC.

Ka-74H

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

Survival	
Wind Deployed	160 km/h (100 mph)
Wind Stowed	225 km/h (140 mph)
Temperature	-40ºC to 65ºC (-40°F to 150°F)
Operational	
Wind	72 km/h (45 mph)
Temperature	-30ºC to 55ºC (-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)	30º EL= 50 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-10 (typical)	
Cross-Polarization	> 23 dB	> 25 dB
VSWR	1.3:1	

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from Transceiver to Base Connector

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

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

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

Ka-75V

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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 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® 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

ViaSat
EXEDE® ENTERPRISE AUTHORIZED EQUIPMENT

eutelsat
type approved for Broadband Services

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

C-COM SATELLITE SYSTEMS INC.

Ka-75V

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

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

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from Transceiver to Base Connector

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

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

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

980+

TECHNICAL SPECIFICATIONS

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.

C-COM SATELLITE SYSTEMS INC.

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 ± 2º
	Tilt sensor ± 0.1º
Azimuth	Full 360º in overlapping 200º sectors
Polarization	±90º
Elevation	0 - 90º
Elevation Deploy Speed	Variable, 10º/sec typ.
Azimuth Deploy Speed	Variable, 10º/sec typ.
Peaking Speed	0.1º/sec

Environmental

Survival	
Wind Deployed	160 km/h (100 mph)
Wind Stowed	225 km/h (140 mph)
Temperature	-40ºC to 65ºC (-40°F to 150°F)
Operational	
Wind	72 km/h (45 mph)
Temperature	-30ºC to 55ºC (-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)	10º EL=53
	20º EL= 39
	30º EL= 32 Max.
Sidelobe Envelope, Co-Pol (dBi)	
100λ/D < Ø < 20º	29 - 25 Log Ø
20º < Ø < 26.3º	-3.5
26.3º < Ø < 48º	32 - 25 Log Ø
48º < Ø < 180º	-10 (typical)
Cross-Polarization	
Standard feed:	
Within 1 dB contour:	-30dB (Max.)
Any Angle off Axis:	-25 dB (Max.)
Optional Eutelsat Feed:	
Within 1 dB contour	< 30dB (Min.)
VSWR Rx	1.3:1
VSWR Tx	1.3:1

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

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

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

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

Ka-98G

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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® 7710 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® 7710 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 Invacom 98 cm Ka antenna and 3W transceiver
- Avanti Approved; Thor7 Type Approved; also compliant with Gilat/iDirect/Newtec Ka services
- Available with pod option
- Standard 2 year warranty

avanti Approved Compatibility

Telenor Satellite Thor 7 Approved Provider

Application Versatility

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

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

C-COM SATELLITE SYSTEMS INC.

Ka-98G

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 ± 2º Tilt sensor ± 0.1º
Azimuth	Full 360º in overlapping 200º sectors
Elevation	0 - 90º
Polarization	LHCP/RHCP (Motorized Option Available)
Elevation Deploy Speed	Variable, 10º/sec typ.
Azimuth Deploy Speed	Variable, 10º/sec typ.
Peaking Speed	0.1º/sec

Environmental

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

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) 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)	10º EL= 88; 20º EL= 62; 30º EL= 51 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-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") H: 30 cm (11.8")	W: 100 cm (39.5")
Stowed Reflector Ext. Dims (with reflector pod)	L: 178.8 cm (70.4") H: 30 cm (11.8")	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.)

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)
7710 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

iNetVu®
by C-COM Satellite Systems Inc.

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® 7710 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® 7710 Controller
- Works seamlessly with the world's emerging commercial ViaSat / KA-SAT satellite Surfbeam II modems
- Eutelsat Type Approved for Broadband Services*
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Locates satellites using the most advanced satellite acquisition methods
- Supports Global Invacom 98cm Ka antenna
- Available with pod option
- Standard 2 year warranty

Stowed (with pod option)

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

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 ± 2º
	Tilt sensor ± 0.1º
Azimuth	Full 360º in overlapping 200º sectors
Elevation	0 - 90º
Elevation Deploy Speed	Variable, 10º/sec typ.
Azimuth Deploy Speed	Variable, 10º/sec typ.
Peaking Speed	0.1º/sec

Environmental

Survival	
Wind Deployed	160 km/h (100 mph)
Wind Stowed	225 km/h (140 mph)
Temperature	-40ºC to 65ºC (-40°F to 150°F)
Operational	
Wind	72 km/h (45 mph)
Temperature	-30ºC to 55ºC (-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)	30º EL= 62 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-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") H: 30 cm (11.8")	W: 100 cm (39.5")
Stowed Reflector Ext. Dims (with reflector pod)	L: 178.8 cm (70.4") H: 30 cm (11.8")	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.)

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)
7710 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

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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® 7710 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® 7710 Controller
- Adapted to operate on HNS Jupiter based Network Technology
- 2 or 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Locates satellites using the most advanced satellite acquisition methods
- Supports GD/HNS 98cm Ka antenna
- Works with HNS Jupiter (NA)(1), YAHSAT (MENA)(1) and Avanti(1)
- Standard 2 year warranty

HUGHES

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

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 ± 2º
	Tilt sensor ± 0.1
Azimuth	Full 360º in overlapping 200º sectors
Elevation	0 - 90º
Elevation Deploy Speed	Variable, 10º/sec typ.
Azimuth Deploy Speed	Variable, 10º/sec typ.
Peaking Speed	0.1º/sec

Environmental

Survival	
Wind Deployed	160 km/h (100 mph)
Wind Stowed	225 km/h (140 mph)
Temperature	-40ºC to 65ºC (-40°F to 150°F)
Operational	
Wind	72 km/h (45 mph)
Temperature	-30ºC to 55ºC (-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)	30º EL= 62 Max.	
Sidelobe Envelope, Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-10 (typical)	
Cross-Polarization	> -24 dB	> -22 dB
VSWR	1.3:1	

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

RF Interface

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

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

Crate: 183 cm x 109 cm x 66 cm (72" x 43" x 26"), 52 kg (115 lbs)
Platform: 54 kg (119 lbs)
7710 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

1202

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

The iNetVu® 1202 Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Its reflector optics feature a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7710 Controller to ensure excellent pointing accuracy.

Field Upgradable to Ka-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover or optional Carbon Fibre Reflector
- Low stow height, high-precision
- 35 dB crosspol for large carrier uplinking
- Patented sleek aerodynamic form (Patent # D696649 & D696650)
- Designed to work with the iNetVu® 7710 Controller
- Supports hand cranks when required
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes (<3 minutes with Beacon Receiver)
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Supports Skyware 1.2m antenna, Type 125 or Carbon
- Wind deflector pod (optional)
- 2-piece thermoset-molded reflector (optional)
- Eutelsat* characterized and Intelsat compliant
- Standard 2 year warranty

Application Versatility

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

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

C-COM SATELLITE SYSTEMS INC.

1202

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Reflector Size & Material	1.2m Glass fibre reinforced polyester [1]
Optional	Carbon Reflector
Platform Geometry	Elevation over Azimuth
Offset Angle	16.97º
Antenna Optics	One-piece offset feed, prime focus
Azimuth Travel	± 200º
Elevation Look Angle	0º to 90º
Polarization Travel	± 95º
Elevation Deploy Speed	2º/sec
Azimuth Deploy Speed	6º/sec
Peaking Speed	0.2º/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	-30º to 60º C (-22º to 140º F)
Survival	-40º to 70º C (-40º to 158º F)
Solar Radiation	360 BTU/h/sq. ft.
Rain	1.3 cm/h (0.51 in/h)
Humidity	0-100% (condensing)

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

Electrical

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

RF Interface

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

Physical

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

Ku (Linear)

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

Shipping Weights & Dimensions*

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

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

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

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

Notes:
[1] Antenna based on Skyware, Model 125
[2] Depending on size and weight for feed arm mounting limitation, Eutelsat Characterized up to 40 watt BUC with Tx XPD >25 dB within 1 dB Contour
[3] LNB PLL Type required with stability better than ± 25 KHz

Ka-1202V

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

The iNetVu® Ka-1202V Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. All axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7710 Controller to ensure excellent pointing accuracy.

Field Upgradable to Ku-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Low stow height
- Designed to work with the iNetVu® 7710 Controller
- Supports hand cranks when required
- One button, auto-pointing controller acquires ViaSat or KA-SAT Ka-band satellite within 2 minutes
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Supports ViaSat/General Dynamics 1.2m Ka antenna
- 2-piece thermoset-molded reflector (optional)
- Compliant with commercial Ka Services (Exede & toowayTM)
- Standard 2 year warranty

ViaSat
EXEDE® ENTERPRISE AUTHORIZED EQUIPMENT

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

Ka-1202V

iNetVu® by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

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

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

Electrical

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

RF Interface

Radio Mounting	Feed arm/Inside vehicle
Coaxial	RG6U F type

Physical

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

Ka-band

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

Shipping Weights & Dimensions*

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

Total Weight: 143 kg (315 lbs)

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

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

Notes:
[1] Antenna based on General Dynamics

Ka-1202G

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

The iNetVu® Ka-1202G Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. All axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7710 Controller to ensure excellent pointing accuracy.

Field Upgradable to Ku-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Low stow height
- Designed to work with the iNetVu® 7710 Controller
- Supports hand cranks when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Supports General Dynamics 1.2m Ka antenna
- Compliant with commercial Ka Services (Avanti/Gilat/Newtec)
- Optional 3W & 5W transceivers; higher BUCs also supported
- Standard 2 year warranty

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

Ka-1202G

TECHNICAL SPECIFICATIONS

iNetVu® by C-COM Satellite Systems Inc.

Mechanical

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

Environmental

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

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

Electrical

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

RF Interface

Radio Mounting	Feed arm

Physical

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

Ka-Band

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

Ka-Band (R/O Circular)

	Receive
Frequency (GHz)	17.0 – 22.2
Feed Interface	WR42

Shipping Weights & Dimensions*

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

Total Weight: 143 kg (315 lbs)

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

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

Notes:
[1] Antenna based on General Dynamics

1501

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 1501 Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Its reflector optics feature a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7710 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® 7710 Controller
- Supports hand cranks when required
- Supports up to 200W Redundant BUC directly on feed arm
- One button, auto-pointing controller acquires any satellite within 2 minutes
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Standard 2 year warranty

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

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	16.97º
Antenna Optics	One-piece offset feed, prime focus
Azimuth Travel	± 200º
Elevation Look Angle	0º to 90º
Polarization Travel	± 95º
Elevation Deploy Speed	2º/sec
Azimuth Deploy Speed	6º/sec
Peaking Speed	0.2º/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	-30º to 55º C (-22º to 131º F)
Survival	-40º to 65º C (-40º to 149º F)
Solar Radiation	1000Kcal/h/m (360 BTU/h/sq. ft.)
Rain	10 cm/h (4 in/h)
Humidity	0-100% (condensing)

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

Electrical

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

RF Interface

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

Physical

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

Shipping Weights & Dimensions*

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

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

Antenna Bands

Transmit Power [1]	1 to 400 watt				• 1 to 125 watt		
Feed	2 Port XPol						
	Ku-Linear		*C-Linear (Std/INSAT) [3]*		*X Band [3]*		*Ka - Linear R/O [3]*
	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)	10º EL = 65 / 20º EL = 58		10º EL = 45 / 20º EL = 40				
Sidelobe Envelope, Co-Pol (dBi)							
1.5º<Θ<20º	Meets ITU 580, INTELSAT		IESS 601 STD G		DSCS Req.		
20º<Θ<26.3º	-3.5		-3.5				
26.3º<Θ<48º	32-25 Log Θ		32-25 Log Θ				
48º<Θ<180º	-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

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® 7710 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® 7710 controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 3 Axis motorization
- Supports manual control and hand crank when required
- One button, auto-pointing controller acquires any Ku or C band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Global Invacom 1.8m antenna Type 183
- Standard 2 year warranty

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

1801

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Reflector	1.8m prime focus, offset feed, SMC [1]
Platform Geometry	Elevation over Azimuth
Deployment Sensors GPS Antenna	Compass ± 2º, Tilt Sensor ± 0.2º
F/D Ratio	0.61
Azimuth	Full 360º in overlapping, 200º sectors
Elevation	0º to 90º
Polarization	± 95º
Elevation Deploy Speed	Variable 2º /sec typ.
Azimuth Deploy Speed	Variable 15º /sec typ. , 10º /sec typ.
Peaking Speed	0.1º /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	-30º to 55º C (-22º to 131º F)
Survival	-40º to 65º C (-40º to 149º F)

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

Electrical

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

RF Interface

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

Physical

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

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

Ku-Band (Linear Orthogonal)		Receive	Transmit
Transmit Power		1 to 200 watt [2]	
Frequency (GHz)		10.70-12.75 [3]	13.75-14.50 [4]
(Optional)		10.70-11.70	12.75-14.50
Feed Interface		WR75	WR75
Efficiency		70%	70%
Midband Gain (± 0.2dBi)		45.30	46.80
Antenna Noise Temp. (K)		10º EL= 43 / 20º EL= 28 / 30º EL=23	
Sidelobe Envelope,	1º<Θ<20º	29-25 Log Θ	
Co-Pol (dBi)	20º<Θ<26.3º	-3.5	
	26.3º<Θ<48º	32-25 Log Θ	
	48º<Θ<180º	-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)		10º EL= 41 / 20º EL= 36 / 30º EL=33	
Sidelobe Envelope,	2.5º<Θ<20	29-25 Log Θ	
Co-Pol (dBi)	20º<Θ<26.3º	-3.5	
	26.3º<Θ<48º	32-25 Log Θ	
	48º<Θ<180º	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)		10º EL= 41 / 20º EL= 36 / 30º EL= 33	
Sidelobe Envelope,	2.8º<Θ<20º	29-25 Log Θ	
Co-Pol (dBi)	20º<Θ<26.3º	-3.5	
	26.3º<Θ<48º	32-25 Log Θ	
	48º<Θ<180º	-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); 7710 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

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Classic
DRIVEAWAYS

C-COM SATELLITE SYSTEMS INC.

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

Classic Drive-Aways

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

1200

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

1200

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Features

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

1200

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Electrical

Rx & Tx cable	2 RG6 cables - 9.1m (30 ft) each
Control cables	
Standard:	9.1 m (30 ft) Ext. Cable with MIL Connectors
Optional:	up to 60 m (200 ft) available

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

Environmental

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

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

Physical

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

RF Interface

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

Motors

Electrical Interface	12VDC	15 Amp (Max.)

Shipping Weights & Dimensions*

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

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

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

2-Piece Metallic Transportable Cases: (Optional)
Platform: 178 cm x 76 cm x 74 cm (70" x30" x 29"), 161.5 kg (356 lbs)
Reflector: 132cm x 25cm x 147cm (52" x 10" x 58"), 50 kg (110 lbs)
Total Weight: 211.5 kg (466 lbs)

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

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

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Fly-Away Antennas

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 2024

Fly-Aways

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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

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www.c-comsat.com

FLY-74G

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® FLY-74G Flyaway Antenna is a 74 cm highly portable Ka-band, self-pointing, auto-acquire system that is configurable with the iNetVu® 7710 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® 7710 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.

C-COM SATELLITE SYSTEMS INC.

FLY-74G

iNetVu® by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

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

Frequency (GHz)	Receive	Transmit
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)	30º EL= 50 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-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, & 7710 controller)
L: 102.9 cm (40.5") W: 47.6cm(18.75")
H: 50.8 cm (20") 28.8 Kg

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

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

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

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

FLY-74H

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® FLY-74H Flyaway Antenna is a 74 cm highly portable Ka-band, self-pointing, auto-acquire system that is configurable with the iNetVu® 7710 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® 7710 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.

C-COM SATELLITE SYSTEMS INC.

FLY-74H

iNetVu® by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

Wind loading	
Operational (no ballast)	50 km/h (30 mph)
Operational (with ballast)	72 km/h (45 mph)
Temperature	
Operational	-30º to 60º C (-22º to 140º F)
Survival	-40º to 65º C (-40º to 149º 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)	30º EL= 50 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-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, & 7710 controller)
L: 102.9 cm (40.5") W: 47.6cm(18.75")
H: 50.8 cm (20") 28.8 Kg

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

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

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

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

FLY-75V

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® FLY-75V Flyaway Antenna is a 75 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7710 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® 7710 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

ViaSat
EXEDE® ENTERPRISE AUTHORIZED EQUIPMENT

eutelsat
type approved for Broadband Services

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)

C-COM SATELLITE SYSTEMS INC.

FLY-75V

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Reflector	75cm Elliptical Antenna, offset feed
Platform Geometry	Elevation over Azimuth
Deployment Sensors	GPS antenna
	Compass ± 2°
	Tilt sensor ± 0.1°
Azimuth	± 175°
Elevation	0 - 90°
Polarization	Circular, Auto-switching
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)	18.30 - 20.20	28.10 - 30.00
Feed Interface (Circular)	RG6	RG6
Nominal G/T	17.5 dB/K	
Nominal EIRP	48.4 dBWi	

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from transceiver to tripod base

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

Case 1: 85 cm x 85 cm x 29 cm (33.5" x 33.5" x 11.5"); 32 kg

Case 2: 44.5 cm x 80 cm x 38 cm (17.5" x 31.5" x 15.5"); 32 kg

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

FLY-981

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® FLY-981 Flyaway Antenna is a 98 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7710 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® 7710 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-981system 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.

C-COM SATELLITE SYSTEMS INC.

FLY-981

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	± 90°
Elevation Deploy Speed	Variable , 3°/sec typ.
Azimuth Deploy Speed	Variable 3°/sec typ.
Peaking Speed	0.1°/sec

Environmental

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

Electrical

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

RF Interface

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

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x48") 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

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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® 7710 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® 7710 Controller
- Works seamlessly with the world's emerging commercial Ka modems and services
- 2 Axis motorization (Optional - motorized 3rd axis)
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Supports Global Invacom 98 cm Ka antenna
- Avanti Approved; Thor7 Type Approved; also compliant with Gilat/iDirect/Newtec Ka services
- Standard 2 year warranty

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

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

FLY-98G

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 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	
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) 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)

	Recive
Frequency (GHz)	17.0 – 22.2
Feed Interface dual polarity	WR42

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x48") 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® 7710 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.

"Compliant for use on Exede[SM] 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® 7710 Controller
- Works seamlessly with the world's emerging commercial ViaSat /KA-SAT satellite Surfbeam II/PRO Auto-acquire modems
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Supports Global Invacom 98 cm Ka antenna
- Standard 2 year warranty

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

FLY-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	± 175°
Elevation	0 - 90°
Polarization	Circular, Auto-switching
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 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)		
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 F Type to tripod base

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x48") 23.1 Kg (51lbs)
Total weight of system in cases: 90.3 Kg (199 lbs)
Total weight of system in cases on skid: 113.4 Kg (250 lbs)

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

FLY-98H

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® FLY-98H Flyaway Antenna is a 98 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7710 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® 7710 Controller
- Works seamlessly with the world's emerging commercial Ka modems and services
- 2 or 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Supports Global Invacom 98 cm Ka antenna
- Works with HNS Jupiter (NA) (1), Yahsat (MENA) (1) and Avanti (1)
- Standard 2 year warranty

Application Versatility

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

(1) Uses JUPITER Radio

C-COM SATELLITE SYSTEMS INC.

FLY-98H

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

Mechanical

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

Environmental

Wind loading	
Operational (no ballast)	50 km/h (30 mph)
Operational (with ballast)	72 km/h (45 mph)
Temperature	
Operational	-30º to 60º C (-22º to 140º F)
Survival	-40º to 65º C (-40º to 149º 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)	30º EL= 62 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-10 (typical)	
Cross-Polarization	> -24 dB	> -22 dB
VSWR	1.3:1	

RF Interface

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

Physical

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

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x48") 23.1 Kg (51lbs)
Total weight of system in cases: 90.3 Kg (199 lbs)
Total weight of system in cases on skid: 113.4 Kg (250 lbs)

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

(1) Support Jupiter radio motorized

ACFLY-1200

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Features

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

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 Topple per IEC 60068-2-31
Free- Fall Drop per IEC 60068-2-32, and ISTA 1A
Dust and Water Ingress per IEC 60529, IP65

Electrical

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

RF Interface

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

Motors

Electrical Interface	24VDC 5 Amp (Max.)

Cases

Case1: 6-piece antenna platform
48.5 x 71 x 39 cm (19" x 28" x 15.3"), 32 kg (70 lbs)
Case 2: 3U Rack mount including iNetVu® 7024 Controller + feed + cables:
48.5 x 71 x 39 cm (19" x 28" x 15.3"), 32 kg (70 lbs)
Case 3 (Optional): 4U Rack mount
62.2 x 34.3 x 47.6 cm (24.5" x 13.5" x 18.8"),10.7 kg (23.5 lbs)

Ku-Band (Linear)

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

Shipping Weights & Dimensions*

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

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

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

FLY-1202

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Field Upgradable to Ka

Features

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

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

Cases

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

Shipping Weights & Dimensions*

TBD

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

Notes:

[1] Depending on size and weight for feed arm mounting limitation

[2] LNB PLL Type required with stability better than ± 25 KHz

FLY-1202V

TECHNICAL SPECIFICATIONS

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.

C-COM SATELLITE SYSTEMS INC.

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 dBWi @ 29.75 GHz	
G/T (Nominal)	23.6 dB/K @ 19.95 GHz	
Antenna Noise Temp. (K)	20° EL= 107 / 40° EL= 89	
Sidelobe Envelope Co-Pol (dBi)		
1.5° <Θ <20°	29-25 LogΘ	
20° <Θ < 26.3°	-3.5	
26.3° <Θ < 48°	32-25 LogΘ	
48° <Θ <180°	-10 Typical	
Cross Polarization	-25 dB in 1dB contour	
Any angle of axis	-25 dB (Max.)	
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

TECHNICAL SPECIFICATIONS

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

FLY-1202G

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Antenna Size & Material	1.2m Carbon reflector
Platform Geometry	Elevation over azimuth
Antenna optics	2-piece segmented
Offset angle	16.97º
Azimuth	±175º
Elevation	5º to 90º
Polarization	Circular, auto-switching
Elevation deploy speed	Variable 6º / sec
Peaking speed	0.2º / 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	-30º to 60º C (-22º to 140º F)
Survival	-40º to 65º C (-40º to 149º F)
Rain	
Operational	10 cm/h
Survival	15 cm/h
Solar radiation	360 BTU / h / sq. ft

RF Interface

Radio mounting	Feed arm
Feed	RG6 F type

Electrical

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

Ka-Band

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

TECHNICAL SPECIFICATIONS

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

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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FLY-1202H

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Antenna Size & Material	1.2m Carbon reflctor
Platform Geometry	Elevation over azimuth
Antenna optics	2-piece segmented
Offset angle	16.97º
Azimuth	±175º
Elevation	5º to 90º
Polarization	Circular, auto-switching
Elevation deploy speed	Variable 6º / sec
Peaking speed	0.2º / 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	-30º to 60º C (-22º to 140º F)
Survival	-40º to 65º C (-40º to 149º 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 dBWi @ 29.75 GHz	
G/T (Nominal)	23.6 dB/K @ 19.95 GHz	
Antenna Noise Temp. (K)	20º EL= 107 / 40º EL= 89	
Sidelobe Envelope Co-Pol (dBi)		
1.5º <Θ <20º	29-25 LogΘ	
20º <Θ < 26.3º	-3.5	
26.3º <Θ < 48º	32-25 LogΘ	
48º <Θ <180º	-10 Typical	
Cross Polarization	-25 dB in 1dB contour	
Any angle of axis	-25 dB (Max.)	
Feed Interface	Type F	
VSWR	1.3:1 (Max.)	

Cases

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

Shipping Weights & Dimensions

TBD

C-COM SATELLITE SYSTEMS INC.

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® 7710 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® 7710 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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FLY-1801

iNetVu® by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

Reflector	1.8m offset feed, Carbon Fibre
Platform Geometry	Elevation over Azimuth
Deployment Sensors GPS Antenna	Compass ± 2º, Tilt Sensor ± 0.2º
F/D Ratio	0.80
Azimuth	Full 360º in overlapping, 200º sectors
Elevation	0º to 90º
Polarization	± 95º
Elevation Deploy Speed	Variable 3º /sec, 2º /sec typ.
Azimuth Deploy Speed	Variable 5º /sec, 2º /sec typ.
Peaking Speed	0.2º /sec
Peaking Accuracy	±0.1º
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	-30º to 60º C (-22º to 140º F)
Survival	-40º to 65º C (-40º to 149º F)
Water Ingress Rating	IP-66

Electrical

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

RF Interface

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

Physical

Transportable Cases:

Case1: AZ Assembly: 47.7 x 50.8 x 68.6cm (18.8" x 20" x 27"); 40.2kg (89lbs)

Case 2: Tripod Assembly: 52.1 x 154.5 x 34.3cm (20.5" x 61" x 13.5"); 36.4kg (80lbs)

Case 3: EL Assembly & Feedboom Supports: 49.5 x 138.5 x 67.3cm (19.5" x 54.5" x 26.5"); 39.6kg (87.5lbs)

Case 4: Feedboom Assembly & Reflector segments: 55.9 x 98.6 x 68.6cm (22" x 38.8" x 27"); 39.6kg (87.5lbs)

Case 5: Controller (Optional): 4-10U Rack Mount : 74 x 51 x 72 cm (29" x 20" x 28"); 32 kg (70 lbs)
Climate Control case also available

Optional Feeds:

Case 6: Ku-Linear POL & EL Actuator: 69.9 x 77.0 x 35.1cm (27.5" x 30.3" x 13.8"); 32.5kg (71.5lbs)

Case 7: C-linear POL & EL Actuator: 75 x 75 x 48.3cm (29.5" x 29.5" x 19"); 46.2kg (102lbs)

Case 8: C-Circular POL & Actuator: 118 x 62 x 50cm (46.5" x 24.4" x 19.7"); 40.0kg (88lbs)

Shipping Weights & Dimensions

TBD

Antenna Bands

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

Notes:

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

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

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

MANPACKS
AUTOMATIC

C-COM SATELLITE SYSTEMS INC.

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

Apr 2024

ManPacks

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

MP-60-MOT

MP-80-MOT

MP-100-MOT

MP-130-MOT

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

MP-60-MOT

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Soft Case Solution (Standard)

8020 Controller

Features

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

MP-60-MOT

TECHNICAL SPECIFICATIONS

iNetVu® by C-COM Satellite Systems Inc.

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 ± 5°
	Tilt sensor ± 0.05°
Azimuth	360° Continuous
Elevation	5° - 90°
Polarization	± 95°
Elevation Deploy Speed	Variable , 11°/sec typ.
Azimuth Deploy Speed	Variable 11°/sec typ.
Peaking Speed	11°/sec (steps in ± 0.01°)

Environmental

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

Case

Single Backpack Soft Case (Empty): 7.5 Kg (16.5 lbs)
Size: 84 × 43.2 × 39.4 cm (33.0" 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 × 50.8 × 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 (± .2 dBi)	35.70	37.20
Sidelobe Envelope Co-Pol (dBi)		
100λ/D°<Θ<7°	35-25 Log Θ	
7°<Θ<9.2°	13.9	
9.2°<Θ<48°	38-25 Log Θ	
48°<Θ <180°	-4 Typical	
Cross-Polarization on Axis	>35 dB	
Within 1dB Beamwidth	>30 dB	
Tx/Rx Isolation	40 dB	85 dB
VSWR	<1.5:1	<1.5:1

Ka-Band (Circular)

	Receive	**Transmit**
Operating Frequency (GHz)	17.7 - 21.2 (2)	27.5- 31.0
Midband Gain (± .2dBi)	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 (± .5dB)	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 × 43.2 × 38.1 cm (35.0" x 18.5" x 17.0")
Weight (Including Antenna (1)) : 22.5Kg (49.6 lbs)

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

Notes:
(1) Weight indicated does not include BUC, LNB and Cables
(2) LNB PLL Type required with stability better than ± 10 KHz
(3) Maximum BUC dims supported: 9.8 cm x 9.8 cm x 4.2 cm (3.9" x 3.9" x 1.7"); 0.5Kg(1.1lbs) Larger BUCs must use quick disconnect flex waveguidemetric

MP-80-MOT

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Soft Case Solution (Standard)

8020 Controller

Features

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

MP-80-MOT

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

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

Case

Single Backpack Soft Case (Empty): 7.5 Kg (16.5 lbs)
Size: 84 × 43.2 × 39.4 cm (33.0" 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 × 50.8 × 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 (± .2 dBi)	38.30	39.60
Sidelobe Envelope Co-Pol (dBi)		
100λ/D°<Θ<7°	35-25 Log Θ	
7°<Θ<9.2°	13.9	
9.2°<Θ<48°	38-25 Log Θ	
48°<Θ <180°	-4 Typical	
Cross-Polarization on Axis	>35 dB	
Within 1dB Beamwidth	>30 dB	
Tx/Rx Isolation	40 dB	85 dB
VSWR	1.3:1	1.3:1

Ka-Band (Circular)

	Receive	**Transmit**
Operating Frequency (GHz)	17.7 - 21.2 (2)	27.5 - 31.0
Midband Gain (± .2dBi)	42.60	45.70
Polarization X-POL	LHCP/RHCP	
Feed Interface	WR-42	WR-28
VSWR	<1.5:1	<1.25:1
Isolation (dB)	>55	>55

X-Band (Circular)

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

Shipping Weights & Dimensions*

Single Backpack Soft Case :
Size: 89 × 43.2 × 38.1 cm (35.0" 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-100-MOT

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Soft Case Solution (Standard)

8020 Controller

Features

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

MP-100-MOT

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Mechanical

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

Environmental

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

Case

Single Backpack Soft Case (Empty): 5.4 Kg (12.0 lbs)
Size: 84 × 51 × 41cm (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 × 55.2cm × 41.6cm (37″ × 21.75″ × 16.37″)
Weight (Empty): 10.5 Kg (23 lbs)

Electrical

DC Input: 24VDC @ 3A (RMS)
AC/DC Adapter: Universal AC Input (100-277VAC) / 24VDC
Power Consumption:

Idle:	12W
Operational (Max):	50W

Modem Compatibility

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

Open AMIP

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

Ku-Band (Linear)

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

Ka-Band (Circular)

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

X-Band (Circular)

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

Shipping Weights & Dimensions*

Shipping Soft Case Size: 92 × 61 × 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

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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

Soft Case Solution (Standard)

8050 Controller

Features

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

MP-130-MOT

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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 ± 5°
	Tilt sensor ± 0.1°
Azimuth	360° Continuous
Elevation	5° - 90°
Polarization	± 90° or LHCP/RHCP
Elevation Deploy Speed	Variable , 11°/sec typ.
Azimuth Deploy Speed	Variable 11°/sec typ.
Peaking Speed	Variable ± 0.1°

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 (14.5lbs)
Weight: Case 1: 2 or 3-Axis (Incl. Tripod/Controller): 12.8 Kg (28.5 lbs)
Case 2: 2-Axis (Incl. Antenna): 18.5 Kg (40.7 lbs)
3-Axis (Incl. Antenna(1)): 20.2 Kg (44.5 lbs)

Electrical

DC Input: 24VDC @ 6A (RMS)
AC/DC Adapter: Universal AC Input (100-277VAC) / 24VDC

Network Interface	RJ45 Connector and WiFi (2.4GHz)
Power Consumption:	
Idle:	12W
Operational (Max):	72W

Modem Compatibility

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

Open AMIP

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

Ku-Band (Linear)

Transmit Power	1 to 200 watt	
Feed	2 Port XPol	
	Receive	**Transmit**
Frequency (GHz)	10.70- 12.75 (2)	13.75 - 14.50
Optional Low Ku	10.70- 11.70 (2)	12.75 - 14.50
Feed Interface	WR75	WR75 (3)
Midband Gain (± .2dBi)	41.8	43.8
Sidelobe Envelope Co-Pol (dBi)		
100λ/D°<Θ<7°	35-25 Log Θ	
7°<Θ<9.2°	13.9	
9.2°<Θ<48°	38-25 Log Θ	
48°<Θ <180°	-4 Typical	
Cross-Polarization on Axis	>35 dB	
Within 1dB Beamwidth	>30 dB	
Tx/Rx Isolation	40 dB	85 dB
VSWR	1.5:1	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 (± .2dBi)	N/A	N/A
Polarization X-POL	LHCP/RHCP Manual	
Feed Interface	WR-42	WR-28
VSWR	<1.5:1	<1.25:1
Isolation (dB)	>55	>55
G/T	21.8dB/K	

X-Band (Circular)

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

Shipping Weights & Dimensions*

TBD

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

Notes:
(1) Weight indicated includes 4W BUC, LNB and 5m(16ft) Cables
(2) LNB PLL Type required with stability better than ± 10 KHz
(3) Maximum BUC dims supported: 14 cm x 9.8 cm x 4.2 cm (5.5" x 3.9" x 1.7"); 1Kg (2.2 lbs) Larger BUCs must use quick disconnect flex waveguide

C-COM SATELLITE SYSTEMS INC.

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

FMA's
Fixed Motorized Antennas

C-COM SATELLITE SYSTEMS INC.

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Apr 2024

FMA's

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

FMA-121

FMA-180+

FMA-241

FMA-121

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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.

C-COM SATELLITE SYSTEMS INC.

FMA-121

TECHNICAL SPECIFICATIONS

iNetVu® by C-COM Satellite Systems Inc.

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	0º to 90º
Azimuth Range	340º
Polarization Range	± 90º

Environmental

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

Electrical

Elevation Motor	24VDC
Azimuth Motor	24VDC
Rx & Tx Cables	2 RG6 Cables -15m (50 ft) each
Control Cables	
Standard	15m (50 ft) Ext. Cable
Optional(1)	Up to 60m (200 ft) available

	Ku-band (Linear)	X-band (Circular)
Receive Frequency (GHz)	10.70 - 12.75(2)	7.25 - 7.75
(Optional)	10.70 - 11.70	
Transmit Frequency (GHz)	13.75 - 14.80	7.90 - 8.40
(Optional)	12.75 - 14.50	
Midband Gain(±0.2 dB)		
(Rx)	41.50	37.40
(Tx)	43.00	38.10
Antenna Noise Temp. (K)	20° EL=46 / 30° EL=43	20°EL=51.6
Sidelobe Envelope, Co-Pol (dBi)		
1º < Ø < 20º	29 - 25 Log Ø	DSCS Req.
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32 -25 Log Ø	
48º < Ø < 180º	-10 (avereaged)	
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+

TECHNICAL SPECIFICATIONS

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)
- 1Year Warranty

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

FMA-180+

iNetVu®
by C-COM Satellite Systems Inc.

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	0º to 90º
Azimuth Range	330º (± 165º)
Polarization Range	± 90º

Environmental

Wind loading	
Operational	80 km/h (50mph)
Survival	201 km/h (125mph)
Temperature	
Operational	-30ºC to 55ºC (-22°F to 130°F)
Survival	-40ºC to 65ºC (-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)	10º EL= 44 / 40º EL= 33	
Sidelobe Envelope Co-Pol (dBi)		
Mainbeam <Θ<7º	29-25 LogΘ	
7º <Θ< 9.2º	+8	
9.2º <Θ <48º	32-25 LogΘ	
48º <Θ <180º	-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)	10º EL= 56 / 40º EL=46	
Sidelobe Envelope Co-Pol (dBi)		
Mainbeam <Θ<7º	29-25 LogΘ	
7º <Θ< 9.2º	+8	
9.2º <Θ <48º	32-25 LogΘ	
48º <Θ <180º	-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)	10º EL=30 / 40º EL=20	
Sidelobe Envelope Co-Pol (dBi)		
Mainbeam <Θ<7º	29-25 LogΘ	
7º <Θ< 9.2º	+8	
9.2º <Θ <48º	32-25 LogΘ	
48º <Θ <180º	-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)	10º EL=43 / 30º 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.

TECHNICAL SPECIFICATIONS

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

Features

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

FMA-241

iNetVu® by C-COM Satellite Systems Inc.

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	10º - 90º
Azimuth Range	330º (±165º)
Polarization Range	± 90º

Environmental

Wind loading	
Operational	80 km/h (50mph)
Survival	201 km/h (125mph)
Temperature	
Operational	-30ºC to 55ºC (-22°F to 130°F)
Survival	-40ºC to 65ºC (-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	1 to 400 watt							
Feed	2 Port XPol							
	Ku-Linear		*C-Linear*		*C-Circular*		*X-Circular*	
	Receive	**Transmit**	**Receive**	**Transmit**	**Receive**	**Transmit**	**Receive**	**Transmit**
Frequency (GHz)	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
(Optional)	10.70 - 11.70	12.75 - 14.50	4.50-4.80	6.725-7.025				
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)	10º EL= 51; 20º EL=48; 40º EL= 41		10º EL= 47; 20º EL=43; 40º EL= 43		10º EL= 53; 20º EL=49; 40º EL= 49		10º EL= 38; 20º EL=33; 40º EL= 29	
Sidelobe Envelope, Co-Pol (dBi)								
1.5º<Θ<20º	29 - 25 Logθ		29 - 25 Logθ		29 - 25 Logθ		DSCS Req.	
20º<Θ<26.3º	-3.5		-3.5		-3.5			
26.3º<Θ<48º	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.

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Controllers & Accessories

C-COM SATELLITE SYSTEMS INC.

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

Apr 2024

Controllers & Accessories

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

7000/24 Controller

7710 Controller

3000 Controller

BR400L

PowerSmart

Transportable Cases

Climate-Controlled AC Case

Transportable Skid

Enclosed Skid

Cables

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

Apr 2024

7000/7024 Controller

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Online with the touch of a button

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

Features

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

Modem Compatibility*

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

HughesNet
DW 6000/7000
HN 7000/7000S
HN 9200/9260
HN 9400/9460
HN 9600/9800
HX 50/90/100/200/250/260
HT 1100/2000/2500

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

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

Certification

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

C-COM SATELLITE SYSTEMS INC.

7000/7024 Controller

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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

7710 Controller

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Online with the touch of a button

- Simple stand-alone one touch operation to find satellite & 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

- 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 on-board module
- Supports DVB-S and DVB-S2/ACM 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
- Interoperable with Uplogix's remote management appliances
- Supported languages by GUI interface: English, 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® 7710 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
HN 7000/7000S
HN 9200/9260
HN 9400/9460
HN 9600/9800
HX 50/90/100/200/250/260
HT 1100/1200/1300/2000/2500

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

Viasat
Surfbeam II/PRO
Tooway/PRO

Gilat
Skyedge II/IP
Skyedge II/Pro/Access
Skyedge IIc (Standalone)
Skyedge IIc CAPRICORN-4
Skyedge IIc CAPRICORN PRO

Ipstar*
IPX-5100/9200
IPX-3200

Novelsat
NS3000

iDirect
Evolution X5/X7/IQ200

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

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

STM
SatLink 1000/1910/2000/2910

DATUM
M7

Spacebridge (Advantech)
U7400 (S5420)

* Modem Integration underway. 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 (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

RF Rx In	Type F Connector
RF Rx Out	Type F Connector
7720 Port	Circular Metal Connector
Network Interface	RJ45 Connector
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 (Max.)
Idle Power Consumption	24VDC @ 1A

Physical

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

Environmental

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

Certification

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

Shipping dimensions

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

C-COM SATELLITE SYSTEMS INC.

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

7710 Controller

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

SEVEN methods of finding satellite with the iNetVu® 7710 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 with modem - 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.
- 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® 7710 Controller

- Can be operated from a PC application using the USB port or network port
- 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 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 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
- 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
- Only works with iNetVu® Mobile antenna platforms which are equipped with 7720 on board module

7715 Controller

iNetVu® by C-COM

TECHNICAL SPECIFICATIONS

Online with the touch of a button

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

Features

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

Modem Compatibility*

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

HughesNet
HT 2500

iDirect
Evolution X5/X7/IQ200

Comtech/UHP/CEL
UHP/CEL-240

Viasat
Surfbeam II/PRO
Viasat EG1000

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

Gilat
Skyedge IIc (Standalone)

Spacebridge (Advantech)
U7400 (S5420)

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

Optional Beacon Receiver

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

Optional GPS/GLONASS Compass

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

Interfaces

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

Electrical

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

Physical

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

Environmental

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

Certification

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

Shipping dimensions

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

C-COM SATELLITE SYSTEMS INC.

7715 Controller

iNetVu® by C-COM

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.

TECHNICAL SPECIFICATIONS

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

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

Features

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

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)

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

C-COM SATELLITE SYSTEMS INC.

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

Beacon Receiver BR400L

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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	$C/N_0 \leq 40$ 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.

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	$C/N_0 \leq 40$ 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	0.21kg (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.

PowerSmart

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Features

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

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

Application Versatility

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

C-COM SATELLITE SYSTEMS INC.

PowerSmart

iNetVu® by C-COM Satellite Systems Inc.

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 seperate power source

Certifications

FCC, CE, QPS

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

Major Features

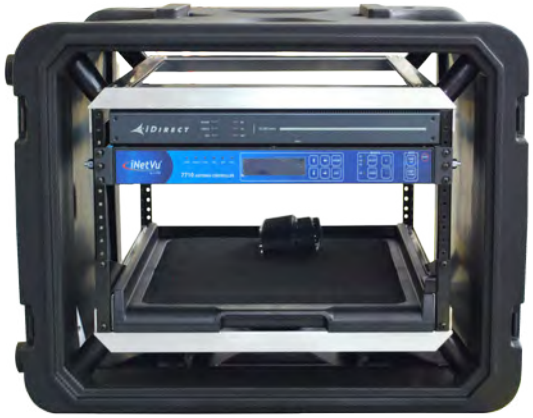
- Available in Attractive Black-Coloured ATA style Cases
- High-grade Aluminum Extrusion Frames
- Durable Plastic and Plywood Laminate Panels
- Water-resistant Flat Surface with Drains
- Closed Cell Foam Padding
- Unique L-Shaped Interlocking Covers
- High-Strength Latches, Corners, and Recessed Handles

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″ x33″)	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

iNetVu® Controller Rackmount Case



Controller Transportable Cases

Model Type	(W x H x L)	Weight [cases only]	Total Weight [Case + Controller]
iNetVu® 7000/7024/7710 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

iNetVu® by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Features

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

Specifications

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

Physical

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

Shipping Weights & Dimensions*

TBD

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

C-COM SATELLITE SYSTEMS INC.

Transportable Skid 980+/Ka-98X

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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

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

Feature

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

Physical - 980+

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

Shipping Weights & Dimensions (1)

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

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

C-COM SATELLITE SYSTEMS INC.

Transportable Skid 1200/1202

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

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

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

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

Physical - 1202

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

Physical - 1200

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

Shipping Weights & Dimensions (1)

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

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

C-COM SATELLITE SYSTEMS INC.

Enclosed Skid 1200/1202

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

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

Feature

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

Physical

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

Shipping Weights & Dimensions*

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

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

C-COM SATELLITE SYSTEMS INC.

Cables

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

Motor Cable

Sensor Cable

Splitter Cable

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

External Motor Cable - 8 conductor cable

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

External Sensor Cable - 25 conductor cable

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

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

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

RX Cable Splitter - 2 to 1 Splitter

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

Modem Cable - RG6 Co-axial cable
F-Type connectors
75 ohm
1 m (3 feet)

Controller Cable - RG6 Co-axial cable
F-Type connectors
75 ohm
1 m (3 feet)

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

C-COM SATELLITE SYSTEMS INC.

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

C-COM SATELLITE SYSTEMS INC.

Antenna Approvals

iNetVu®
by C-COM Satellite Systems Inc.

Ka-74G

"Approved on Eutelsat Konnect Services"

Ka-75V

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

FLY-75V

"Authorized for use on KA-SAT NEWSSPOTTER NEWSGATHERING service by Eutelsat"

Ka-98V

Eutelsat Type Approved for Broadband Services

1202

Characterized with Eutelsat

Ka-75V

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

FLY-75V

"Authorized for use on KA-SAT NEWSSPOTTER NEWSGATHERING service by Eutelsat"

Ka-1202V

Ka-98G

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

Ka-98H/Jup

"Approved for operation on Hughes JUPITER System"

980+

Ka-98G

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

FLY-98G

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

981

1200

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

CONTROLLERS

iNetVu® 7000/7024

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

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

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

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

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

Ipstar
IPX-5100/9200
IPX-3200

Romantis/UHP/Eastar
UHP-1000/200

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

STM
SatLink 1000/1910/2000/2900

Paradise
Evolution/ Quantum Series

Tachyon
CI-1300
Ruggedized RMG

Spacebridge
E7000
U7400

iNetVu® 7710

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

ViaSat
Surfbeam II/PRO
Tooway/PRO

iDirect
Evolution X5/X7

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

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

Ipstar*
IPX-5100/9200
IPX-3200

Romantis/UHP/Eastar*
UHP-1000/200

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

STM
SatLink 1000/1910/2000/2910

Novelsat
NS3000

DATUM
M7

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

Drive-Away Antennas

Models ⇨ Features ⇩	74	74G/H	75V/VP	980+	Ka-98 G	Ka-98 V	1200	1200+	1202	1501	1801
Band	Ku	Ka	Ka	Ku (Ka Upgradable)	Ka	Ka	Ku/X	Ku	1202 Ku	Ku, C-Linear, C-Circular	Ku, C-Linear, C-Circular
Deployed Height (mm)	1220	1220	1260	1510	1510	1510	1676	1882	1650	1800	2480/2550
Stowed Height (mm)	300	300	350	350	300	300	488	412	340	490	670/500
Total Weight (Kg)	52	52	52	54	54	54	92.5	100	88	TBD	162/185
Max. RF (BUC/LNB) Platform weight (Kg)	5	5	5	5	5	5	10	15	15	15	11/15
Max. RF, BUC Dims (LxWxH/inches)	11.1x8.7x4.6 11.1x6x5.5	3W/4W Custom	3W Custom	10x6.75x3.4	3W Custom	4W Custom	19.00x9.5x5.5	17.5x15.5x6.75	12.0x15.2x5.8	12.0x15.2x5.8	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	Prodelin 1132/1134	Skyware 125	Carbon Fibre	Skyware 183
Elevation (degrees)	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 78	0 to 90	0 to 90	0 to 90	0 to 80/0 to 90
Polarization (+- degrees)	90	Auto (CPLH/RH)	N/A	90	Auto or 45 (CPLH/RH)	Auto or 45 (CPLH/RH)	90	95	95	95	90
Frequency Rx (GHz)	10.70-12.75	G:17.70-20.20 H:18.30-20.20	18.30-20.20	10.95-12.75	17.70-20.20	18.30-20.20	Ku:10.95-12.75 X:7.25-7.75	10.70-12.75	10.70-12.75	Ku: 10.70 -12.75 C- Linear: 3.625- 4.20 C- Circular: 3.625 -4.20	Ku: 10.70 -12.75 C- Linear: 3.40-4.20 C- Circular: 3.625 -4.20
Frequency Tx (GHz)	13.75-14.50	G:29.00-30.00 H:28.00-30.00	28.10-30.00	13.75-14.50	29.50-30.00	28.10-30.00	Ku:13.75-14.50 X:7.90-8.40	12.75 -14.50	13.75 -14.50	Ku: 13.75 -14.50 C- Linear: 5.85-6.425 C- Circular: 5.85-6.425	Ku: 13.75 -14.50 C- Linear: 5.85-6.725 C-Circular 5.85-6.425
Midband Gain (Rx, Tx)	37.8, 39.2	41.6, 45.3	41.40, 44.50	39.80, 41.30	43.50, 46.60	43.50, 46.60	Ku:41.50, 43.00 X:37.40, 38.10	41.80, 43.30	41.80, 43.30	Ku: 43.70, 45.00 C-Linear: 33.40, 37.20 C-Circular: 33.30, 37.10	Ku: 45.30, 46.80 C-Linear: 35.40, 39.30 C-Circular: 35.40, 39.50
Wind Deployed (km/h)	160	160	160	160	160	160	112	112	112	112	112
Wind Stowed (km/h)	225	225	225	225	225	225	225	225	225	225	225
Survival Temp. (°C)	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65	-40 to 65
Operational, Wind (km/h)	72	72	72	72	72	72	72	75	75	72	72
Operational, Temp. (°C)	-30 to 55	-30 to 55	-30 to 55	-30 to 55	-30 to 55	-32 to 55	-32 to 55	-30 to 56	-30 to 55	-30 to 55	-32 to 55
Controller	7710	7710	7024/ 7715	7024C	7710	7710	7000C	7715	7710	7710	7000C/7710
Standard Cables (75 Ohm) (50 Ohm -Opt.)	CB-7710-10-2 10m (33ft)	CB-7710-10-2 10m (33 ft)	CB-7024-10 10m (33ft)	CB-7724-10 10m (33 ft)	CB-7710-10-2 10m (33 ft)	CB-7710-10-1 10m (30 ft)	CB-7000-30-MIL 9.1m(30ft)	CB-7710-10-2 CB-7710-10-1 10m (33 ft)	CB-7710-10-2 CB-7710-10-1 10m (33 ft)	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)	10-60m (33 - 200 ft)	10-60m (33 - 200 ft)	10-45m (33-150 ft)
Warranty	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years

Matrix

iNetVu®
by C-COM Satellite Systems Inc.

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
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
Deployed Height(mm)	Approx 1200	1325	1660	G: 1660 V: 1580 H: 1580	1875	1580	2690	900	1110	1300
Total Weight (Kg)	64	64	64	64	137	64	226	21	21	21.5
Max. RF (BUC/LNB) Platform weight(Kg)	5	5	5	5	15	5	15	1.2	1.2	1.2
Max. RF, BUC Dims (LxWxH/inches)	TBD	3W	2 - 40W	G/V: 3WCustum H: 2W Custom	12x8x6	10x8x4.5	19x12x6.5	5.9x3.9x2.56	5.9x3.9x2.56	5.9x 3.9x2.56
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
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
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
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
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
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
Wind Deployed (km/h)	100 w/ballast	100 w/ ballast	100 w/ballast	100 w/ballast	145 w/ballast	50 w/ballast	120 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
Operational Wind (km/h)	72w/ ballasat	50 no 72 w/ ballasat	50 no ballast 72 w/ 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
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
Controller	7710	7710	7710	7710	7715	7024C	7710	8020	8020	8020
Stand. Cables (75 Ohm) (50 Ohm- Opt.)	CB-7710-10-2 10m (33 ft)	CB-7710-10-1C 10m (33 ft)	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)	TBD	TBD	TBD
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)	TBD	TBD	TBD
Warranty	2 years	2 years	2 years	2 years	2 years	1 year	1 year	1 year	1 year	1 year

C-COM SATELLITE SYSTEMS INC.

Fixed Motorized

Models ⇨ Features ⇩	FMA-120 Ka	FMA-121	FMA-180+	FMA-241
Band	Ka	Ku	Ku, C-Linear, C- Circular, X-Circural	Ku, C-Linear, C-Circular, X-Circuar
Deployed Height(mm)	N/A	N/A	N/A	N/A
Total Weight (Kg)	N/A	N/A	N/A	N/A
Max. RF (BUC/LNB) Platform weight(Kg)	5	10	10	10
Max. RF, BUC Dims (LxWxH/inches)	4W Custom	Any	Any	Any
Reflector	Glass reinforced polyester SMC	Glass reinforced polyester SMC	Glass reinforced polyester SMC	Glass reinforced polyester SMC
Elevation (degrees)	0 to 90	0 to 90	10 to 90	10 to 90
Pol (+- degrees)	Circular, Auto-switching	90	90	90
Frequency Rx (GHz)	19.70 - 20.20	Ku:10.70-12.75 X-Band:7.25-7.75	Ku: 10.95-12.75 C- Linear: 3.625- 4.20 C-Circular: 3.625- 4.20 X-Band: 7.25-7.75	Ku: 10.70-12.75 C- Linear: 3.40- 4.20 C-Circular:3.625-4.20 X-Circular: 7.25-7.75
Frequency Tx (GHz)	29.50 - 30.00	Ku:13.75 - 14.80 X-Band: 7.90-8.40	Ku: 13.75-14.50 C-Linear:5.845-6.725 C-Cilcural: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-Circural: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