

2.4m Quick Deploy Antenna System



Your Trusted Source for Satellite Equipment



2.4m Quick Deploy

- **Intelsat Compliant**
- **Multi-Band C, X, Ku band Frequencies**
- **Multiple Integration Options**
- **Compact Packaging**
- **Superior Stability in Wind**
- **Excellent Reliability**
- **Minimal Maintenance**
- **Less than 20 min Assembly Time**
- **Captive Hardware**

Electrical Specifications	2 Port Cross-Pol C Band		2 Port Cross-Pol C Band		2 Port X Band		2 Port Cross Pol Ku Band	
	Linear Feed		Circular Feed		Circular		Linear	
	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx
Frequency (GHz)	3.40 - 4.20	5.85 - 6.725	3.625 - 4.20	5.85 - 6.425	7.25 - 7.75	7.9 - 8.4	10.95 - 12.75	13.75 - 14.5
Gain (Midband, dBi)	38.0	41.8	38.0	41.8	43.7	44.3	47.1	49.1
Noise Temperature (°K) 10 deg El 20 deg El	44 40		56 52		78 74		64 60	
Axial Ratio			3.0 dB	2.3 dB	1.5 dB	1.5 dB		
Cross Pol (On Axis)	-30 dB	-30 dB	-16.0 dB	-17.0 dB	-21.0 dB	-21.0 dB	-35 dB	-35 dB
Sidelobe Compliance	IESS 207		IESS 207			ITU 580/ MIL-STD 188-164		IESS 208
VSWR	1.35:1	1.30:1	1.35:1	1.30:1	1.30:1	1.30:1	1.35:1	1.30:1

Mechanical / Environmental Specifications

Reflector	2.4 meters (96 in) Carbon/Glass Fiber Reinforced Polymer
Reflector Configuration	Parabolic Single Offset (4 piece)
Antenna Travel	
Azimuth	360° with ± fine adjustment
Elevation	5 - 90° of reflector bore sight
Polarization	± 90°
Antenna Packaging (less feed options)	Packaged in 5 Cases - 566 lbs (258 kg)
Temperature	
Operational	-40 to 60°C (-40 to 140°F)
Survival	-50 to 70°C (-58 to 158°F)
Pointing Loss (operational winds)	3.5 dB peak (Ku-band Rx)
Winds	
Operational	30 Gusting to 45 mph (40 kph G 72 kph) with ballast or anchors
Survival	60 mph (96 kph) fully anchored / any position

QUICK-DEPLOY_VS-240QD_KU-C-X_REV003
Specifications are subject to change without notice

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