

# 1.2m Quick-Deploy Antenna System



**VS-120QD2TH-KU**  
**1.2m Quick-Deploy System**

- **2-piece Sectional Reflector**
- **Tri-pod Mount**
- **All Captive Hardware**
- **Quick and Easy Setup (Less than 5 minutes)**
- **Fine Tune Azimuth and Elevation**

RF Specifications		Ku Linear	
		Receive	Transmit
Frequency in GHz		10.7-12.75	13.75-14.5
Return Loss		17.7 dB	20 dB
Beamwidth	3dB	1.5°	1.2°
	15dB	3.3°	2.8°
Tx/Rx Isolation		35 dB	80 dB
Feed Interface		WR75	WR75
Cross Polarization on axis		30 dB	35 dB
Tx/Rx Sidelobe Level		100λD < θ < 20°	29 - 25 Log 0 dBi
		20° < θ < 26.3°	-3.5 dBi
		26.3° < θ < 48°	32 - 25 Log 0 dBi
		48° < θ	-10 dBi
Midband Gain		41.6 dBi	43.3 dBi
Noise Temperature		68 K @ 10°EL	
		53 K @ 30°EL	
Antenna Resolution 572 Complaint			

Mechanical and Environmental Data		
Antenna Size	1.2 Meter	
Antenna Optics	Offset	
Reflector Construction	Aluminium	
Mount Type	Elevation over Azimuth Tripod	
Elevation Adjustment	0° to 90° Continuous Fine Az	
Azimuth Adjustment	+ 30° Fine, 360° Continuous	
Reflector Case	91 lbs	41.2 kg
	55 x 15 x 32 in	139.7 x 38.1 x 81.3 cm
Mount Case	86 lbs	39.0 kg
	48 x 18 x 18 in	121.9 x 45.7 x 45.7 cm
Operational Temperature	+15°F to 125°F (-9°C to 51°C)	
Survival Temperature	-45° to 140° (-60°C to 60°C)	
Wind Operational (No Ballast Anchors)	25 mph	40kmh
Wind Operational (w/Ballast/Anchors)	45 mph	72 kmh
Wind Survival (w/Ballast/Anchors)	90 mph	145 kmh
Rain	0.5 in/hr.	1.3 cm/h
Solar Radiation	360 BTU/h/ft <sup>2</sup>	1000 Kcal/h/m <sup>2</sup>

QUICK-DEPLOY\_VS-120QD2TH-KU\_REV012  
Specifications are subject to change without notice

sales@vikingsatcom.com • www.vikingsatcom.com

T: 517.629.3000 • F: 517.629.2379 • 704 North Clark Street • Albion, MI