

1.0m Quick-Deploy Antenna System



VS-100QD2TH-KU
1.0m 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
- Hard or Soft Case Options

RF Specifications		Linear
	Receive	Transmit
Frequency in GHz	10.7-12.75	13.75-14.5
Return Loss	14.0 dB	17.7 dB
Insertion Loss	0.3 dB	0.1 dB
Tx/Rx Isolation	35 dB	80 dB
Feed Interface	WR75	WR75
Cross Polarization - on axis	30 dB	35 dB
Tx/Rx Sidelobe Envelope		
100 Δ D° $\leq \theta \leq 20^\circ$	29 – 25 Log θ dBi	
20° < $\theta \leq 26.3^\circ$	-3.5 dBi	
26.3° < $\theta \leq 48^\circ$	32 – 25 Log θ dBi	
$\theta > 48^\circ$	-10 dBi (averaged)	
Midband Gain	40.1 dBi	41.6 dBi
Noise Temperature	68 K @ 10°EL	
	53 K @ 30°EL	

Mechanical and Environmental Data		
f/D Ratio	0.6	
Offset Angle	22.6°	
Antenna Optics	Offset	
Mount Type	Elevation over Azimuth Tripod	
Elevation Adjustment	5° to 90° Continuous Fine Ad	
Azimuth Adjustment	+ 30° Fine, 360° Continuous	
Weights & Dims	Standard	Metric
Reflector Case	86 lbs	39.0 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
Wind Loading	Standard	Metric
Operational (No Ballast/Anchors)	25 mph	40kmh
Operation (w/Ballast/Anchors)	45 mph	72 kmh
Survival (w/Ballast/Anchors)	90 mph	145 kmh
Temperature	-40° to 140°F	-40° to 60°C
Rain	0.5 in/hr.	1.3 cm/h
Solar Radiation	360 BTU/h/ft ²	1000 Kcal/h/m ²

QUICK-DEPLOY_VS-100QD2TH-KU_REV002
Specifications are subject to change without notice

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