

1.8m Quick-Deploy Antenna System



VS-180QD
1.8m Quick-Deploy System



*Your Trusted Source for
Satellite Equipment*

- 4-piece Sectional Reflector
- Quick-Deploy Tri-pod Mount
- All Captive Hardware
- Quick and Easy Setup
(Less than 15 minutes)
- Fine Tune Azimuth and Elevation
- Hard or Soft Case Options

| RF Specifications | Ku-Linear | | C-Linear | | C-Circular | |
|--|----------------------------|---------------|----------------------------|---------------|----------------------------|---------------|
| | Receive | Transmit | Receive | Transmit | Receive | Transmit |
| Frequency in GHz | 10.7-12.75 | 13.75-14.5 | 3.625 - 4.2 | 5.85 - 6.425 | 3.625 - 4.2 | 5.85 - 6.425 |
| Antenna Gain (dBi \pm 0.2) (GHz) | 44.7 @ 11.725 | 46.7 @ 14.125 | 35.5 @ 3.9125 | 39.6 @ 6.1375 | 35.5 @ 3.9125 | 39.6 @ 6.1375 |
| Antenna Noise Temperature ($^{\circ}$ K) @11.725 GHz | | | | | | |
| • 10 $^{\circ}$ Elevation | 62 | - | 54 | - | 54 | - |
| • 20 $^{\circ}$ Elevation | 52 | - | 46 | - | 46 | - |
| • 30 $^{\circ}$ Elevation | 48 | - | 42 | - | 42 | - |
| Cross Polarization Isolation (dB) | | | | | | |
| • On Axis | > 30.0 | > 30.0 | > 30.0 | > 30.0 | > 15.0 | > 18.0 |
| • Within 1dB beamwidth | > 22.0 | > 26.0 | > 22.0 | > 26.0 | > 15.0 | > 18.0 |
| VSWR | < 1.5:1 | <1.2:1 | < 1.5:1 | <1.3:1 | < 1.5:1 | <1.3:1 |
| Port to Port Isolation (dB) | > 45 | > 80 | > 60 | > 85 | > 60 | > 85 |
| Sidelobe Performance | Compliant with ITU-R S.580 | | Compliant with ITU-R S.580 | | Compliant with ITU-R S.580 | |
| Port Configuration | 2 Port Cross Pol | | 2 Port Cross Pol | | 2 Port Cross Pol | |

| Mechanical and Environmental Data | |
|-----------------------------------|--|
| Antenna Size | 1.8 Meter |
| Antenna Optics | Single Offset |
| Reflector Type | 4-Panel, Lightweight Aluminum Reflector |
| Mount Type | Elevation over Azimuth Tripod |
| Elevation Adjustment | 0 $^{\circ}$ to 90 $^{\circ}$ Continuous Fine Ad |
| Azimuth Adjustment | + 30 $^{\circ}$ Fine, 360 $^{\circ}$ Continuous |

QUICK-DEPLOY_VS-180QD_REV006
Specifications are subject to change without notice

| Cases (w/o Feed) - Total 4 cases | |
|----------------------------------|--|
| Reflector Case - #1 | 45" x 12" x 45", 93 lbs (114.3 x 30.5 x 114.3, 42.2) (cm, kg) |
| Reflector Case - #2 | 45" x 12" x 45", 99 lbs (114.3 x 30.5 x 114.3, 44.9) (cm, kg) |
| Back-Structure Case | 51" x 24" x 16.5", 73 lbs (129.5 x 61.0 x 41.9, 33.1) (cm, kg) |
| Tripod Case | 66.5" x 23" x 18", 120 lbs (168.9 x 58.4 x 45.7, 54.4) (cm, kg) |
| Temperature Range | |
| Operational | -28.9 $^{\circ}$ C to 51.7 $^{\circ}$ C (-20 $^{\circ}$ F to 125 $^{\circ}$ F) |

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