

Real-Time Broadband Communication ANYWHERE

Winegard WV750A

75 cm low profile drive-away auto-acquire satellite antenna

Winegard Ka-band antennas, like the 75 cm system, are designed to work with Exede Enterprises to provide high-speed, high-capacity service for remote locations that legacy technologies can't provide. With download speeds up to 15 Mbps, service and speed are greatly improved compared to oil and gas remote internet services.



FEATURES

- Works seamlessly with the world's emerging commercial ViaSat satellite Surfbeam II/PRO Nomadic modems
- One-Piece, high surface accuracy, off set feed, steel reflector
- Heavy duty feed arm capable of supporting Ka transceiver
- Ultra-low backlash gear train ensures reliable and superior performing system
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within minutes
- Exceeds Mil-spec standards
- Rugged design for harsh environments

Winegard's WV750A mounts to the roof of a vehicle or trailer, where low stow height and small footprint is important. The system controller is integrated with the ViaSat Exede series of KA modems.



WV750A AUTO-ACQUIRE KA BAND SPECIFICATIONS

MECHANICAL

Reflector	75cm Elliptical Antenna, off set feed
Axis Configuration	Elevation over Azimuth
Deployment Sensors	GPS
	GPS Compass Automatic heading +/-1.0 degrees
	Tilt sensor $\pm 0.1^\circ$
Azimuth	+/-200° from Azimuth Home Position (400 degrees total)
Elevation	0 - 95°
Elevation Deploy Speed	Variable .5°/sec typ.
Azimuth Deploy Speed	Variable .5°/sec typ.
Peaking Speed	0.5°/sec

ENVIRONMENTAL

Survival	
Wind Deployed	75 mph (121 km/h)
Wind Stowed	100 mph (160 km/h)
Temperature	-40°C to 60°C (-40°F to 149°F)
Operational	
Wind	72 km/h (45 mph)
Temperature	-30°C to 55°C (-22°F to 130°F)
Thermal Test per MIL-STD-810G	
Vibration Test per MIL-STD-810G	
Mechanical Shock Test per MIL-STD-810G	

ELECTRICAL

Rx & Tx Cable	RG6 coax cable - 40 ft
Control Cables	
	Standard: RG-6 coax cable - 40 ft
	Optional: RG-6 coax cable up to 150 ft available
Frequency (GHz)	
Receive	18.30 - 20.20
Transmit	28.10 - 30.00
Feed Interface (Circular)	Single Coax Cable

RF INTERFACE

Radio Mounting	Feed Arm
Coaxial	RG-58/U from Transceiver to Base Connector

PHYSICAL

Stowed Dimensions	L: 48" / W: 29.8" / H: 11.5"
Deployed Height	45.3"
Weight	75 lbs

