

Real-Time Broadband Communication

ANYWHERE



WINEGARD

Winegard Rapid Deploy Satellite System

Winegard's Rapid Deploy satellite system delivers a high performance auto-acquire solution at a low cost making it an effective alternative to manually deployed systems. Automatic satellite acquisition eliminates the costly need for trained technicians necessary for set-up on manually deployed systems. In addition, pointing errors are eliminated and the "re-peaking" feature allows signal strength to be maximized. This unit is easily transportable and included with this system are controller, transport cases and a patented tripod mount. It is easy to assemble and disassemble in minutes, requiring no tools. Reflectors are available in 1, 2, and 4 piece options.

COMPLETE GLOBAL COMMUNICATIONS SOLUTIONS

When traditional methods of communication are no longer feasible due to location or technological difficulties, VSAT antennas can provide Internet and phone connectivity on-demand. Winegard Auto-Acquire VSAT Antenna Systems are designed around the strongest, most rugged gear trains and motors in the industry. These drive trains provide for maximum reliability in extreme environments and very low back lash. The units are designed with heavy duty features suitable for the energy vertical and other enterprise applications. The antenna systems use the modem to search and peak on signal providing very accurate and repeatable pointing accuracy.

All Winegard VSAT antenna systems include a fully-integrated antenna controller that features single-button operation without requiring an external PC. The Winegard controller is the only controller in the industry that incorporates a touch-screen allowing for ease of programming and operation. The controllers are 2U rack-mountable and have a place to store the modem in the 2U footprint.

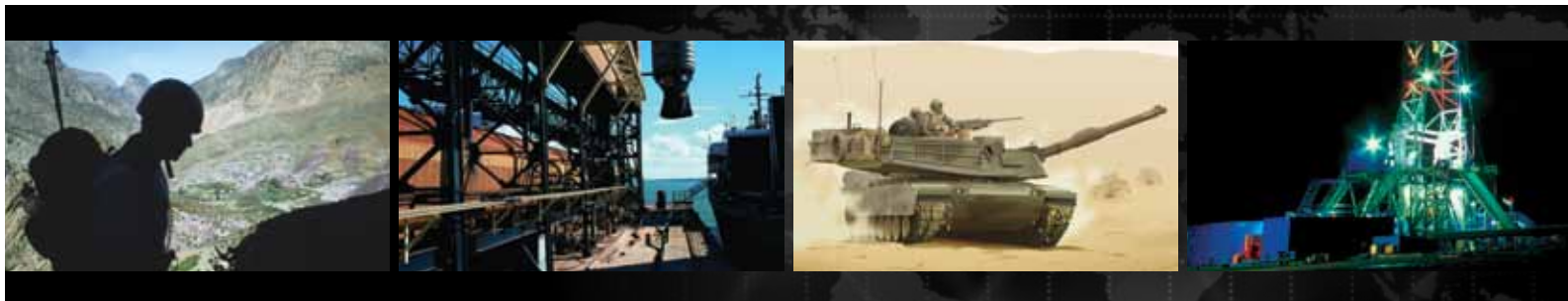


Deployed

RD-1204
1.2 m Portable Antenna

www.winegard.com

or call for more information: **866-565-7974**



GENERAL INFORMATION

Reflector Type	1, 2, or 4 piece segmented 1.2 m .8 F/D Glass Fiber Reinforced Polyester SMC
Optics Offset	Prime Focus Offset Feed
BUC Supported*	15 lbs. / 12" L x 7.75" W x 5.5" H
Polarization*	Cross-pol or co-pol
Mount Geometry	Elevation Over Azimuth
Set-up Time	Less than 15 minutes

DIMENSIONS

Max Deployed Height	70"
Weight	see Case Dimensions

MECHANICAL

Range Of Motion: Azimuth	342° (+/- 171°)
Elevation	12° to 93° Operational
Polarization	+/- 90°
Speed: Deploying Elevation	4.6° Per Second
Stowing Elevation	5.0° Per Second
Deploying Azimuth	.4° Per Second
Time to Acquisition	< 2 Minutes (Typical)
Motors: Elevation	36V HD Linear Actuator (0.1° Resolution)
Azimuth	24V HD Brushless Motor (0.1° Resolution)
Polarization	24V HD Brushless Motor (0.1° Resolution)
Drive Override	Electrical Elevation, Manual for SK

RF

Tx Interface	Waveguide - 3' WR75 Flange Flexible and Twistable Waveguide
Rx Interface	WR75 Flange
Frequency Range: Rx	10.95 - 12.75 Ghz
Tx	13.75 - 14.50 Ghz
Gain (Midband): Rx	41.5 dBi
Tx	43 dBi
VSWR Rx & Tx	1.3:1
Beamwidth: Rx	1.4° (-3 dB), 2.4° (-10 dB)
Tx	1.2° (-3 dB), 2.1° (-10 dB)
Radiation Pattern Compliance	FCC § 25.209
Antenna Noise Temperature	46K (20° EI), 43K (30° EI)
Cross Pol Isolation on Axis Rx & Tx (Minimum)	30 dB
Isolation Port to Port (Minimum): Rx	35 dB
Tx	80 dB

ENVIRONMENTAL

Wind: Operational Deployed	30 MPH w/ballast or anchors
Survival Deployed	75 MPH EL at 90°
Temperature: Operational	-40°F to 127°F (-40°C to +50°C)
Survival	-58°F to 176°F (-50°C to +80°C)

ELECTRICAL

Controller Dimensions	2U 19" Rack Mountable
Power Supply: Input	100-250V 3A Max
Running Load	47-63Hz 300W Max
Output	48V 6.7A Max
Electrical Data Interface*	RG6 60' (18.25 m)
Transmit (Tx)*	RG6 Compression F Connector
Receive (Rx)*	RG6 Compression F Connector
Sensors	GPS Compass +/- 15° Tilt +/- .5°

CASE DIMENSIONS for 4 piece reflector

Reflector Case (Size/Weight)	28"L x 20.5"W x 28"H / 77.2 lbs
Feed Arm Case (Size/Weight)	54"L x 12"W x 13"H / 52.4 lbs
AZ/EL Case (Size/Weight)	35"L x 16"W x 21"H / 73.5 lbs
Tripod Case (Size/Weight)	39"L x 12"W x 11.5"H / 41.5 lbs

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Case with 4 piece Reflector

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