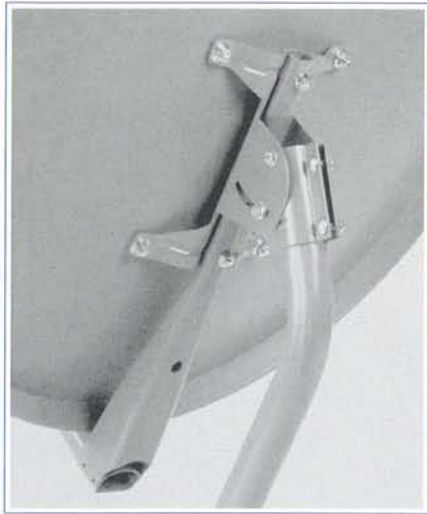


76 cm Ku-Band receive-only antenna system



Winegard Company has been designing and manufacturing television reception products for over 50 years. Satellite television reception products have been a major part of our business for more than 30 of those years.

We currently manufacture digital satellite antennas for direct-to-home installations in 46, 60, 76 cm, and 1 meter sizes.

Winegard reflectors are designed using the CAD-CAM process. Galvanized steel, used in manufacture, is carbon sheet steel with a zinc-iron alloy coating. Corrosion resistant, these alloys react to scratches and other damage through galvanic action between steel and zinc — the zinc protects breaks in the coating and prevents further damage after installation. Reflectors are checked repeatedly during manufacturing with a computer numerical control coordinate measuring machine. The CNC CMM is one of the best methods of quality control, from design to fabrication. Antennas are checked at 49 points during fabrication to maintain quality and precision.

The combination of powder coat finish, E-Coat and corrosive resistant finished hardware gives our reflectors and mounts a proven, superior weatherproof finish.

In addition to the manual for each product, technical support is available by phone or telefax. Winegard DTH products, made in the U.S.A., are backed by a limited five year warranty.

- DS-2076 - Universal feed support
- DS-2077 - D-tube feed support
- DS-2078 - RCA style feed support

Mechanical

Optics	Offset
Effective aperture	76 cm (29.9 in.)
Antenna height	87 cm (34.3 in.)
Antenna width	80 cm (31.5 in.)
Galvanized steel	21 ga.
Antenna weight	4.18 Kg. (9.8 lbs.)
F/D59
Offset angle	24°
Focal distance	44.8 cm (17.65 in.)
Surface accuracy016 - .020 in. average
Elevation range	20° to 70°
Mounting options	Universal

Electrical

Frequency range	10.95-12.75 GHz		
Gain at mid-band			
	11.2	12.1	12.6
	37.6 dBi	38.3 dBi	38.7 dBi
Aperture efficiency	76%		
Cross polarization (on axis)	-21 dB		
Beamwidth at -3 dB	2.4°*		
Beamwidth at -10 dB	4.0°*		

Environmental

Wind loading	
Operational	80.5 Km/hr. (50 mph.)
Survival	161 Km/hr. (100 mph.)
Atmosphere	10 yrs.

Feed support options

Rectangular style	Universal
D-tube	

* Gain, efficiency and pattern measured/calculated with Winegard proprietary circularly polarized feed horn at 12.45 GHz. All data obtained from independent certified test facilities. Detailed patterns available on request.



WINEGARD®

76 cm

Winegard's 76 cm — designed for easy installation, has 360° azimuth and 20° to 70° elevation adjustments. Feed support systems are available for all popular brands of LNBFs.

The reflector is manufactured from 21 gauge galvanized steel, finished with a seven step, textured thermoset powder coat. A hydrophobic additive in the finish increases water and snow repellent action. The mount, manufactured from galvanized steel, is E-coated for maximum protection. All hardware has a highly corrosive resistant finish. The combination of these processes gives Winegard DTH systems the best finish available!

The antenna and mount have had extensive atmospheric testing, and will withstand 700 hours of salt spray. This system is designed to operate in winds up to 50 mph and survive winds of 100 mph.

The system includes a comprehensive manual, plus a technical support telephone number. It has Winegard's five-year limited warranty, and is UPS shippable.



Universal Mount

Precision-stamped for consistent quality

Easy to install.

Galvanized steel antenna and mount with a combination of powder coat and E-coat finishes for outstanding environmental durability

Design meets 50 mph wind loading requirements

Responsive customer service support

**76 cm Ku-Band
receive-only antenna system**