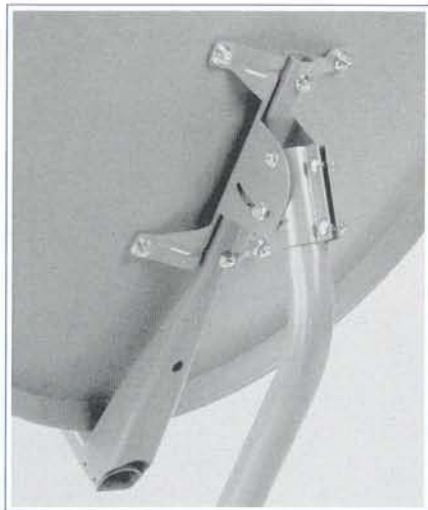


76 cm Ku-Band receive-only antenna system

DS-2076 - Universal feed support



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.

Winegard DTH products, made in the U.S.A., are backed by a limited five year warranty.

Distributed by:

DMS International
<http://www.dmsiusa.com>
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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/D	.59
Offset angle	24°
Focal distance	44.8 cm (17.65 in.)
Surface accuracy	.016 - .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.