

PRODUCT  
SPECIFICATIONS



The ValuStar™ galvanized steel mount is also finished in a powder coat paint to offer reliable protection from weather related corrosion.



## ValuStar™ 90 cm Galvanized Steel Antenna

ValuStar™ antennas from ASC Signal are small-diameter, high quality, receive only (RxO) antennas for professional services where reliability and durability are essential. These antennas are ideal for DBS/DTH and value conscious receive-only enterprise network applications.

The ValuStar™ 90 cm antenna features a rigid tri-leg feed support structure and is available with an optional interchangeable RxO feed assembly that provides optimum system performance. The basic antenna is provided with a high quality azimuth/elevation (Az/El) mount. The Az/El mount can be attached to a wall/roof mount (included) or any 42 mm O.D. mast

Every ValuStar™ antenna reflector is constructed of rugged, galvanized steel, and finished with a light gray weather resistant polyester powder coating. A rolled edge is engineered along the outside circumference to provide a rigid and accurate reflective surface.

The ValuStar™ galvanized steel mount is also finished in a powder coat paint to offer reliable protection from weather related corrosion.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- Galvanized steel, powder painted mount.
- Rugged, galvanized steel reflector with rigid rolled edge.
- Fast and simple installation.
- Compatible with a variety of ku-band feed assemblies.

## SPECIFICATIONS

### ValuStar™ 90 cm Galvanized Steel Antenna

#### RF Performance

Effective Aperture .....	90 cm
Operating Frequency .....	10.70 - 12.75 GHz
Gain .....	38.30 dBi @ 10.70 GHz 39.90 dBi @ 12.75 GHz
3 dB Beamwidth .....	2.20° (Typical)

*(All specifications typical)*



#### Mechanical Performance

Reflector Material .....	Galvanized Steel	
Antenna Optics .....	28.81° Offset Feed	
Mount Type .....	Elevation Over Azimuth	
Universal Feed Clamp Size .....	40 mm	
Elevation Adjustment Range .....	0° - 90°	
Azimuth Adjustment Range .....	0° - 360°	
Wind Loading .....	Operational .....	80 km/h (50 mph)
	Survival .....	160 km/h (100 mph)
Operating Temperature .....	-30°C to 60°C	

The ValuStar™ 90 cm galvanized steel reflector features a rolled edge to assure an accurate and rigid reflective surface.

#### Optional LNBFs



US FSS Ku-band LNBF  
(40 mm Interface)  
US Linear Applications



Universal Ku-band LNBF  
(40 mm Interface)  
Linear Applications



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