

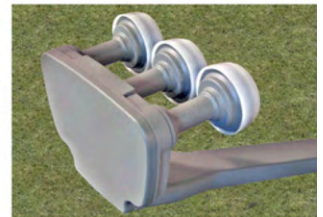
PRODUCT  
SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Pre-assembled Az/El/Skew  
Mount with stamped degree  
scale

Integrated triple satellite LNBF,  
compatible with DIRECTV™  
satellite service



## 49 cm Elliptical Antenna System

The elliptical reflector coupled with the triple satellite LNBF allows reception of satellites 101°, 110° and 119° simultaneously.



The ASC Signal Corporation 49 cm antenna system is designed for DBS/DTH applications where reliability and durability are essential. The offset reflector is constructed from galvanized steel to provide a rigid and accurate reflective surface.

The Az/El/Skew mount is also constructed from galvanized steel to provide a rigid support to the reflector. A specially formulated powder paint process offers excellent protection from weather related corrosion. The Az/El/Skew mount attaches to the included wall/roof mount or any 1.66 inch O.D. mast pipe. The elliptical reflector coupled with the triple satellite LNBF allows reception of satellites 101°, 110° and 119° simultaneously.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- Fast and simple installation.
- One-piece precision offset galvanized steel reflector.
- Factory pre-assembled Az/El/Skew mount with 10°-65° elevation scale and ±90° reflector polarization feature.
- Powder painted steel feed support arm.
- Includes triple satellite DBS LNBF.

## SPECIFICATIONS

### 46 cm Antenna System

#### RF Performance

Effective Aperture .....	49 cm (19.2 in)
Operating Frequency .....	12.20 - 12.70 GHz
Polarization .....	Circular (LHCP and RHCP)
Gain .....	33.90 dBi @ 12.45 GHz
Antenna Noise Temperature @ 30° .....	36 K

*(All specifications typical)*

#### Mechanical Performance

Reflector Material .....	Galvanized Steel	
Antenna Optics .....	One-Piece Offset Feed Prime Focus	
Mount Type .....	Skew Over Elevation Over Azimuth	
Elevation Adjustment Range .....	10° - 65° Continuous	
Azimuth Adjustment Range .....	360° Continuous	
Mast Pipe Interface .....	1.66 in	
Wind Loading .....	Operational .....	80 km/h (50 mph)
	Survival .....	160 km/h (100 mph)
Temperature .....	-50°C to 80°C	
Humidity .....	0 to 100% (Condensing)	
Atmosphere .....	Standard Hardware Meets 500 Hour Salt Spray Test Requirements (ASTM B-117)	
Solar Radiation .....	360 BTU/h/ft <sup>2</sup>	
Shock and Vibration .....	As Encountered During Shipping and Handling	



ASC Signal Corporation  
620 North Greenfield Parkway  
Garner, NC 27529 USA

Telephone: +1-919-329-8700

Fax: +1-919-329-8701

Internet: [www.ascsignal.com](http://www.ascsignal.com)

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