



PRODUCT SPECIFICATIONS

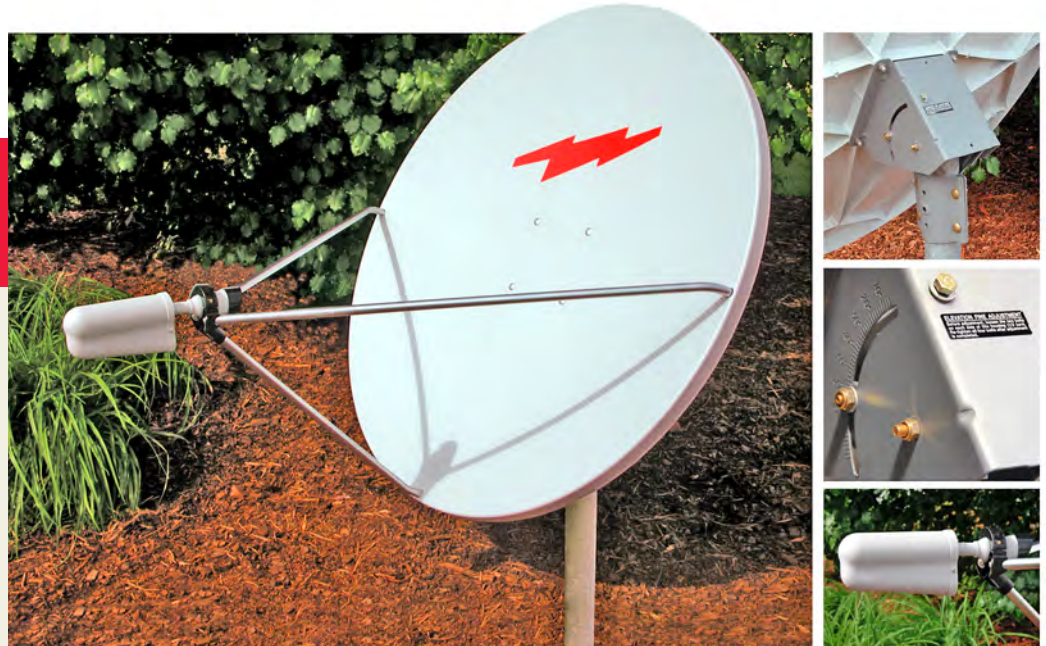
Detail Photos

(on right from top to bottom)

Pre-assembled Az/EI Mount

Fine-elevation adjustment with stamped degree scale

Ku feed assembly with LNB cover



The reflector is thermoset-molded for strength and surface accuracy.

1.2 m Receive-Only Antenna System TYPE 120

The Andrew Corporation 1.2 m Type 120 Offset Antenna is a rugged commercial grade product suitable for the most demanding applications. The reflector is thermoset-molded for strength and surface accuracy. Molded into the rear of the reflector is a network of support ribs which not only strengthens the antenna, but also helps to sustain its critical parabolic shape.

The Az/EI mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. The Az/EI mount secures the antenna to any 2.88" - 3.00" (73-76 mm) O.D. mast and prevents slippage in high

winds. A specially formulated powder paint process offers excellent protection from weather-related corrosion.

- One-piece thermoset-molded offset reflector.
- Single bolt fine elevation adjustment.
- Galvanized .75" (19 mm) O.D. feed support legs.
- Factory pre-assembled mount.
- Plated hardware for maximum corrosion resistance.
- Available with a wide variety of C-Band or Ku-Band feeds.

One Company. A World of Solutions.

SPECIFICATIONS

TYPE 120 1.2 m Receive-Only Antenna System

RF Performance

	C-Band	Ku-Band
Effective Aperture	1.2 m (48 in)	1.2 m (48 in)
Operating Frequency	3.4-4.8 GHz	10.95-12.75 GHz
Polarization	Linear (Circular optional)	Linear (Circular optional)
Gain @ 3.95/11.95 GHz	32.0 dBi	42.0 dBi
3 dB Beamwidth	4.4°	1.6°
Antenna Noise Temperature @ 30° Elevation	32°K	24°K
VSWR	1.4:1	1.3:1
Cross-Polarization Discrimination	>30 dB On Axis (Linear)	>30 dB On Axis (Linear)
Feed Interface	CPR-229	WR75 Cover Flange (UBR120)

(All specifications typical)

Mechanical Performance

Reflector Material	Glass Fiber Reinforced Polyester
Antenna Optics	One-Piece Offset Feed Prime Focus
Mount Type	Elevation over Azimuth
Elevation Adjustment Range	10°-70° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous
Mast Pipe Interface	2.88-3.00 in (73-76 mm) Diameter
Wind Loading	Operational 50 mi/h (80 km/h) Survival 125 mi/h (200 km/h)
Temperature	-50°C to 80°C
Humidity	0 to 100% (Condensing)
Atmosphere	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft ²
Shock and Vibration	As Encountered During Shipping and Handling

