



3.7 Meter Trifold® Transportable

The ASC Signal modular 3.7 meter Trifold® transportable design enables one person deployment in less than 30 minutes. A large range of adjustment provides non-critical positioner/trailer orientation and the ability to view geostationary satellites, horizon-to-horizon, from any location worldwide. The antennas' aluminum trifold reflector panels are cut from a single-piece precision spinning. Panel design and manufacture provide excellent thermal expansion characteristics and ensures the accurate surface contour.

Unique subreflector and strut storage: Collapsible struts and storage for subreflector under the reflector. All Trifold® antennas meet or exceed Asiasat, Eutelsat, Panamsat, and INTELSAT® F-1 and E-2 requirements.

In addition, they meet or exceed ITU-R S.580 and S.465 recommendations for pattern performance for 2° satellite spacing.

- Asiasat, Eutelsat, Panamsat and INTELSAT® requirements
- U.S. FCC regulation 25-209 for mandatory pattern requirements for 2° satellite spacing. Based on off-satellite measurements at Ku-Band
- ITU-R S.580 and S.465 recommendations for pattern performance for 2° spacing
- Russian Homologation Certificate #OC/1-AO-136



Buy Now!



SPECIFICATIONS

3.7 Meter Trifold® Transportable

Electrical Performance

	C-band 2-Port Circular Pol Feed		C-band 2-Port Linear Pol Feed		Ku-band 2-Port Linear Pol Feed		X-band 2-Port Circular Pol Feed	
	Receive	Transmit	Receive	Transmit	Receive	Transmit	Receive	Transmit
Frequency (GHz)	3.625- 4.200	5.850- 6.425	3.625- 4.200	5.850- 6.425	10.700- 13.250	13.750- 14.800	7.250- 7.750	7.900- 8.400
Insertion Loss dB	0.50	0.20	0.15	0.20	0.15	0.20	0.15	0.15
Gain @ Feed Output Flange (dBi ± 0.2 dB)								
	3.625 GHz	40.50	40.50					
	7.250 GHz						47.40	
	7.900 GHz						48.00	
	10.700 GHz				50.50			
	13.750 GHz				52.20			
Antenna Noise Temperature								
10° Elevation	36 K		36 K		39 K		39 K	
30° Elevation	23 K		23 K		26 K		27 K	
50° Elevation	21 K		21 K		24 K		24 K	
Port-to-Port Isolation								
Rx to Rx	85 dB		85 dB		40 dB		25 dB	
Tx to Rx	40 dB		85 dB		40 dB		25 dB	
Waveguide Interface Flange	Brass CPR-229G	Brass CPR-137G	Brass WR229	Brass WR137	Brass WR75	Brass WR75	Aluminum WR112	
Tx Power Capacity	500 W		500 W		2000 W		750 W	
Maximum Pressurization	0.50 psi		0.50 psi		0.50 psi		0.50 psi	

Mechanical Performance

Optics Type	Dual Reflector Gregorian
Reflector Material	Precision Formed Aluminum
Reflector Segments	3

Environmental Performance

Operational Temperature	-40°C to 50°C (-540°F to 125°F)
Wind Loading	Survival 200 km/h (125 mph) (with or without Motor Drives)
	Operational 72 km/h (45 mph) with Gusts to 105 km/h (65 mph) (with or without Motor Drives)
Rain	102 mm (4 in per hour)
Solar Radiation	360 BTU/hr/ft ² (1135 W/m ²)
Relative Humidity	100%
Shock and Vibration	As Encountered by Commercial Air, Rail and Truck
Atmospheric Conditions	As Encountered by Moderately Corrosive Coastal and Industrial Areas



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