

GT-31A Seires Offset Gregorian Antenna

Ka -Band Rx/Tx Dual-Reflector Antenna System



Product Overview

GOSPELL's GT series Ka antenna products are designed for satellite transmit and receive operation, can be deployed to fixed or portable Ka station with fine Azimuth and Elevation Adjustment features to increase pointing accuracy, its well design and packaging allow for low transportation costs and easy-handling.

GOSPELL's GT series Ka antennas and RF accessories meet ITU standards, can be well used for Ka/Ku satellite communication and data transmission with high performance.

Main Features

- Available bandwidth is wide
- Less interference

- Equipment is small

Technical Specifications

Model	GT-31A-070	GT-31A-100	GT-31A-120
Dish Diameter	70cm	100cm	120cm
TX&RX Gain (Typical)	44.8dBi 42.0dBi	47.8dBi 44.9dBi	49.4dBi 46.7dBi
Antenna Optics	Offset Gregorian Dual-reflector Antenna		
Operating Frequency	TX: 29.50—30.00GHz RX: 19.20—20.20GHz		
VSWR	TX: ≤1.2 RX: ≤1.3		
Polarization	Circular		
Axial Ratio	TX: ≤1.0dB RX: ≤1.5dB		
Isolation	≥90dB (Containing the filter)		
First Side-lobe Level	≤-14dB		
Interface	TX: WR28 Flat RX: WR42 Flat		
Azimuth Adjustment Range	360°unlimited		
Elevation Adjustment Range	0°~ 90°		
Operating Temperature	-25°C ~ 55°C (-13°F ~ 131°F)		
Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F)		
Relative Humidity	0% ~ 100% (condensing)		
Operating Winds	≤13m/s		

For More Information

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