

## GT-31U seires Offset Gregorian Antenna

### Ku -Band Rx/Tx Dual-Reflector Antenna System



#### Product Overview

GOSPELL's GT series Ka / Ku antenna products are designed for satellite transmit and receive operation, can be deployed to fixed or portable Ka/Ku 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 / Ku antennas and RF accessories meet ITU standards, can be well used for Ka/Ku satellite communication and data transmission with high performance.

#### Main Features

- Not susceptible to microwave radiation interference, greatly reducing the requirements of the receiving environment
- Antenna diameter is small

- Wide band, can send a variety of business and information

## Technical Specifications

Model	GT-31U-070	GT-31U-100	GT-31U-120
Dish Diameter	70cm	100cm	120cm
TX&RX Gain (Typical)	39.0dBi	42.0dBi	43.6dBi
	38.0dBi	41.0dBi	42.7dBi
Antenna Optics	Offset Gregorian Dual-reflector Antenna		
Operating Frequency	TX: 14.00—14.50GHz RX: 12.25—12.75GHz		
VSWR	TX: ≤1.2 RX: ≤1.3		
Polarization	Linear		
Cross-Polarization	≥35dB		
Isolation	≥85dB (Containing the filter)		
First Side-lobe Level	≤-14dB		
Interface	WR75 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

Please visit our website: <http://www.gospell.com> or contact your local sales representative:

### GOSPELL Shenzhen, China

Overseas Sales Center  
Block F10-F13, F518 Idea Land, Baoyuan road,  
Bao'an Central District, Shenzhen City 518102,  
Guangdong Province, China  
TEL: +86-755-26716172  
FAX: +86-755-29114035  
E\_mail: [sales.dtv@gospell.com](mailto:sales.dtv@gospell.com)

### GOSPELL Chengdu, China

Overseas Sales Subsidiary  
The Fourth Floor, No. 2 Building, Matt High-Tech Industrial Park, Tianhong Road No#5, West High-Tech Area,  
Chengdu City 611731, Sichuan Province, China  
TEL: +86-28-87838224  
FAX: +86-28-87838304  
E\_mail: [sales.dtv@gospell.com](mailto:sales.dtv@gospell.com)

### GOSPELL Chenzhou, China

Headquarters  
GOSPELL Industrial Park, Bai Lu Tang,  
Su Xian District, Chenzhou, Hunan, China

### GOSPELL India (Office)

Office No.C-503, 5th Floor, L.B.S. Road, Bhandup  
(West), Mumbai-400078

### GOSPELL Mexico (Office)

Avenida Patria NO3489.EL Tapatio Tlaquepaque  
Jal.Mexico C.P.45588

### GOSPELL Kenya (Office)

A5, Valley Place Apartment, Gitanga Close, Off  
Gitanga Road, P.O.Box 51043-00100, Nairobi,  
Kenya

©2012 GOSPELL Digital Technology Co., Ltd. All rights reserved.

The GOSPELL logo is a trademark of GOSPELL Digital Technology Co., Ltd.,

All other trademarks mentioned in this document are the property of their respective owners.

Product pictures are for reference only, GOSPELL reserves the right to modify the specifications without prior notice.

**GOSPELL**<sup>®</sup>  
— Technology Serves People —