

## 1.5M SNG ANTENNA



### Applications

- Sudden public events and all kinds of disasters on-site information gathering Disaster relief.
- Public security, military, government, oil, water conservancy, electricity, finance and other important sectors of the country
- The remote areas and the vast rural areas out of coverage.
- Field operations, exploration, military police and news media.

### Highlight Features

- One button acquisition satellite
- Offset feed antenna for C/Ku-band
- Special designed for mounting on SUV, Minivan or MPV
- Suit for broadband communication and various emergency situations.
- Meet needs of mainstream satellite operating company.
- Acquire any Ku and C band satellite within 2 minutes.
- Matches various types of BUC
- 2 tracking methods: Beacon, DVB carrier
- Instant broadband data communications
- WIFI control method is optional.

### Components

- Single Offset Antenna(Carbon fiber)
- Azimuth & elevation turntable
- One button acquisition control system

# Technical Specification

ELECTRICAL SPECIFICATIONS				
Type		SCA150EKL2X		
		Ku band		Ka band
Operation Frequency(GHz)	Rx	Tx	Rx	Tx
	10.7-12.75GHz	13.75-14.5GHz	17.7~21.2Ghz	27.5~31Ghz
Typical Gain(dBi)	42.9dBi@11.7Ghz	44.4dB@14Ghz	47.0dBi@19.2Ghz	50.5dB@29Ghz
-3dB bandwidth	1.17°	0.98°	0.73°	0.48°
Polarization	Linear		Circular	
XPD,dB	30	30	\	\
Axis Ratio ,dB	\	\	1.5	1.2
VSWR	1.4:1	1.3:1	1.3:1	1.3:1
Port Tx/Rx Isolation	85dB		85dB	
Power Handing Capability		500W		200W
Interface	WR75	WR75	WR42	WR28
MECHANICAL SPECIFICATIONS				
Antenna diameter		1.5m		
Antenna type		Single Offset		
Reflector material		Carbon fiber		
Satellite Acquiring		Auto tracking ≤3 minutes		
Weight		110Kg		
Positioning Sensor		BD&GPS		
Azimuth Sensor		Compass ±2°		
Tilt Sensor		Tilt meter ±2°		
Pointing range	Azimuth	± 200°		
	Elevation	10° ~90°		
	Polarization	± 90°		
Drive system	Azimuth	0.1° /S ~3° /S		
	Elevation	0.1° /S ~3° /S		
	Polarization	0.1° /S ~6° /S		
ENVIRONMENTAL SPECIFICATIONS				
Operation wind		20m/s		
Stow wind		30m/s		
Operation Temperature		-40℃ ~+60℃		
Storage temperature		-50℃ ~+70℃		
Humidity		0-98%		