

On-the-move satellite communication system is used to image real-time video monitoring system communication platform back to the command center, build communication platform and command center of the image transmission system and the emergency call system and data transmission system, the vehicle cannot reach area can use portable antenna or knapsack image transmission system will be communication monitoring images and data back to the car, then passed to the command center.

This product is mainly suitable for emergency communication system. Emergency communication system based on satellite communication is given priority to, combined with a variety of wireless communication means including shortwave, ultrashort wave, is not affected by geography, climate, earthquake, floods and other natural conditions, communication of good quality, high reliability, fast response, flexible, suitable for the government, telecommunications, water conservancy, health, military, public security, armed police, civil air defense, broadcasting, meteorology, electric power, petroleum and other industry users, achieve point to point, multipoint to multipoint, broadcasting emergency network communication. System types include: fixed station, bus station (on-the-move and static zhongtong), portable, airborne, shipborne stand stand.

Such on-the-move antennas for emergency mobile broadband communication needs the development of a high performance, simple and convenient loading on-the-move satellite communication antenna, the product can be in the car, ship carrier such as high speed, high precision alignment always USES synchronous satellite, ensure uninterrupted for satellite communication system. Antenna by SPC since tracking mode of communication satellite capture and tracking, antenna is suitable for home and abroad all ku-band communications satellite, and is not going to happen to star by mistake happens, greatly superior to Raysat and gathering with DVB carrier technology of star system.

Characteristics

- 1, All operation automatically without outside intervention
- 2, The initial star time less than 120 seconds
- 3, Can be done in moving or static automatically to the stars
- 4, Using SPC since the tracking mode (precise point style)
- 5, Antenna using carbon fiber materials, high strength, light weight

ELECTRICAL SPECIFICATIONS			
Antenna Diameter		0.6	0.8
Operating Frequency, GHz	Receive	12.25~12.75	
	Transmit	14.0~14.50	
Gain, Mid-Band, dBi	Receive	35.5	38.1
	Transmit	36.5	39.1
Polarization		Linear	
-3dB Beam width, Mid-Band	Receive	2.6	2.1
	Transmit	2.2	1.9
XPD (on axis) ,dB		≥35	
-1dB		≥30	
VSWR	Receive	1.3	
	Transmit	1.3	
Tx. Power Capability, KW		0.1	

Feed interface	WR-75	WR-75
Isolation, Tx to Rx, dB	85	
First Sidelobe	-14	
90% Peaks under Following envelop	29 - 25 log θ (1° $\leq\theta$ <20°)	
MECHANICAL SPECIFICATIONS		
Height, mm	1000mm	1100mm
天线安装底座直径, mm	420mm	575 mm
Wight, kg	85	75
Power Supply	210V~240V AC, 50/60Hz	
功耗	300W (Max)	
Indoor Temperature	-20°C ~ +50°C	
Outdoor Temperature	-40°C ~ +60°C	
TRACKING SPECIFICATIONS		
Azimuth Travel Range	360 (Continuous)	
Elevation Travel Range	10~85	
Polarization Travel Range	$\pm 110^\circ$	
Az Angular Velocity (Max)	100/S	
Az Angular Acceleration (Max)	800/S ²	
El Angular Velocity (Max)	100/S	
El Angular Acceleration (Max)	800/S ²	
Tracking Accuracy	1/10Beam width	
Satellite Acquisition Time	<3 Sec(初始); <1 Sec (丢失再捕获时间)	
★ The specifications may change without notice.		

