

FUTV-8001 Video Portable Wireless Transmitter With Two Way Audio



Outline

The FUTV-8001 Video portable transmitter and receiver with two-way audio adopt the advanced modulation technology COFDM and the channel codes. It combines with digital image compression MPEG2/MPEG4/H.264 multimedia network transmission technology. Besides, it adopts the MPEG-2 video & audio compressed mode, and 2M and 8M bandwidth. This transmission system has the function of non-sight transmission, diffraction and penetration, and it can realize the image transmission and the bi-directional audio communication. This transmission system has the function of non-sight transmission, diffraction and penetration, and it can realize the image transmission and the bi-directional audio communication. This device is widely applied in fields such as Public security, armed police and so on.

Features

- | Supports COFDM modulation mode
- | The resolutions are: 720*576 25 frames/s, 1920*1080i 25 frames/s, 1920*1080i 30 frames/s, 1280*720p 50 frames/s, and 1280*720p 60 frames/s
- | The transmitting distance can reach 1-3 kilometers.
- | Supports one video and two audio transmission
- | Supports MER 22dB
- | Supports close-distance and moving(non-vision distance) real-time AV signal transmission
- | It can cooperate with satellite image car as a repeater.
- | Users can quickly switch the power; and the device has wide voltage range, high efficiency and low power consumption.
- | The device adopts aluminum milled parts as that it has good shield performance, excellent heat dispersion and high reliability.
- | The device is so small and light that the operation is easy and simple

Specifications

RF parameter	
Transmitting power	1W (port number power)
Transmitting frequency	308MH ~ 860MHz (5 reserved frequency for choosing)
Bandwidth	8 MHz/2MHz
Output impedance	50
Inter-band ratio	25dB
Output port	N-L16 (negative)
Digital modulation parameter	
Modulation mode	COFDM
Correcting mode	LDPC
MER	22dB
BER	10^{-8}
AV input encoding parameter	
Video	CVBS combined video signal
Audio input port	BNC (negative)
Audio	left/right channel, non-balanced analog, stereo
Image definition	720*576/1920*1080p
AV data formatting	H.264,MPEG-2
Miscellaneous	

MTBF	10000hrs
Working voltage	DC10V ~ 16V(camera exclusive battery)
Environmental condition	storage temperature -40 ~+70
	work temperature: -20 ~+50
	relative temperature 85%(non-condensing)
Power Consumption	About 13W (without SDI port)
	About 15W (with SDI port)
Volume	180×110×88(mm)
Weight	2Kg (total aluminum milled parts)