

1080P HD COFDM Wireless Video Transmitter

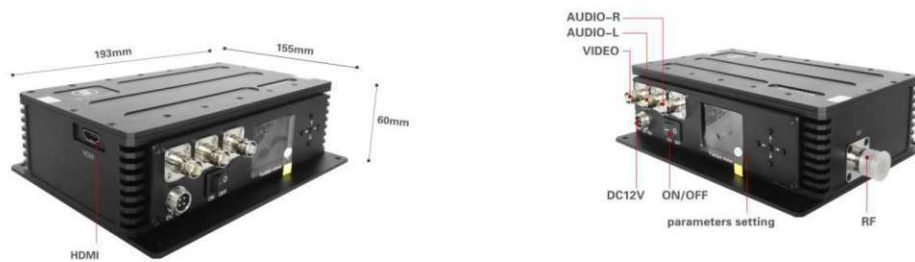
SG-H5000B



Model SG-H5000B is a high power video transmitter from Shenzhen Safe Guard company, using the core of mobile communication technology COFDM, which can transmit good quality and stable full HD digital video signal under the condition of high speed mobile and heavy building blocks transmission in city environment. With 5-8W RF power output and narrow-band modulation that makes it suitable for long range communication system. Support H.264 encoding format and HDMI input as well BNC stereo balance audio input. Its special design UAV surveillance and broadcast etc.

Features

- COFDM modulation, stable transmission
- Low delay H.264 SD&HD encoding
- HDMI and BNC video interfaces
- 2/2.5/4/8MHz adjustable narrowband modulation
- Low power consumption
- AES encryption, safety with signal sending/receiving
- Modular design, compact structure, OEM design



Specifications

Frequency	300-4400MHz (Optional)
RF Power	5-8Watt
Voltage	DC11-14.5V
Current	1.9A@DC12V
Modulation	COFDM 2K QPSK
Constellation	QPSK, 16QAM, 64QAM(customized)
RF Bandwidth	2/2.5/4/8MMHz(adjustable), 4/8MHz is for HD
FEC	1/2 2/3 3/4 7/8
Guard Interval	1/32 1/16 1/8 1/4
Data Encryption	AES user-defined password
Max speed	450km/h
Video Input	BNC: D1 standard definition HDMI, HD1080I/1080P, 720P, 576, 480
Audio input	Stereo Left/Right channels
Video compression format	H.264/MPEG-4
Video Resolution	1080i/1080P, 1920*1080,720P,576,480;
RF Interface	N type
Impedance	RF cable is 50Ω, video cable is 75Ω
Work environment	-25℃~55℃
Video Format	PAL/NTSC(self-adaption)
Size	200*120*60mm
Weight	1.5kg

3 Channel Rack mount COFDM HD video receiver



Description

This rack mount video receiver special designed for multi-channel video receive monitoring, It adopts the current leading COFDM modulation technology, embedded with LNA(low-noise amplifier) and narrow band filter, so that enable to have strong anti-jamming capability and overcomes the signal reflection, can realize high-speed photography and real-time receive high quality image in long range transmission or complicated working environment.

Features

- H.264/MPEG-4 video compression
- 2/2.5/4/8MHz adjustable narrowband modulation
- BNC, HDMI video output
- Low power consumption
- Easy operation by adjusting digital display panel
- Small size and lightweight, easy to integrated to operation system
- For mobile or stationary applications

Specifications

Frequency	300-4400MHz
RF bandwidth	2/2.5/4/8MHz(adjustable)
Receive sensitivity	-105dBm/2MHz, -95dbm/4MHz/8MHz
Working Voltage	DC12V/AC220V
Working current	1.5A
Power consumption	≤20W
Demodulation	COFDM 2K QPSK
Constellation	QPSK, 16QAM, 64QAM
Video output	HDMI *3
Revolution	1920*1080, 720P, 576, 480
Audio channel	Stereo left and right channels
RF Interface	N F head (50Ω)
FEC	1/2 2/3 3/4 7/8
Guard Interval	1/32 1/16 1/8 1/4
Data Encryption	AES
Video format	PAL/NTSC(self adaption)
Work environment	-30~70°C
Physical dimension	1.5U
Weight	APRX. 5KG
Size	APRX. 480*370*60mm

APPLICATION

