

# Up to 25W Powerful COFDM Video Audio Transmitter

**Model: SG-HD25W**

## Introduction:

SG-HD25W is a new powerful HD COFDM video audio transmitter, which can up to 15-25W rf power. SG-HD25W wireless video transmitter can transmit a super long range that up to 250km on UAV.

It adopts core technology 4th generation mobile communication COFDM modulation and low delay full-HD 1080P technique that can transmit high quality and stable image under the condition of fast moving or many buildings as obstacles(NLOS).

This wireless video transmitter is suitable for vehicles -- cars, boat -- boats, cars - -a building,

Ship--a base station, aircraft--a building/vehicle and etc. SG-HD25W transmits high-definition moving video signal even if in a fast moving condition, and the max moving speed can up to 450 km / h.

## Special Features:

- 1) Full HD resolution 1080P/1080I@30fps;
- 2) Support 15-25W RF power;
- 3) COFDM modulation,H.264 video compression mode;
- 4) Built in with HDMI/HD-SDI port (optional);
- 5) Support L/R stereo audio in/out;
- 6) Small in size and lightweight;
- 7) strong heat resistance capacity;
- 8) 4/8MHz RF bandwidth;
- 9) PAL/NTSC self adaption;
- 10) Low delay.

## Specifications of transmitter:

Frequency	300-900MHz,1.2G/2.4G/5.8GHz
RF power	15-25Watt(adjustable)
Power supply	DC11-14.5V/1.9A
Modulation	COFDM 2K QPSK
RF Bandwidth	4/8MHz(adjustable)
FEC	1/2 2/3 3/4 7/8
Guard Interval	1/32 1/16 1/8 1/4
Data Encryption	AES 128/256 Bits
Max speed	450km/h
Video Input	BNC: D1 standard definition
	HDMI: HD1080I/1080P, 720P, 576, 480
	SDI : HD1080I/1080P, 720P, 576, 480
Video compression format	H.264
Video Resolution	1080i/P @30fps, 1920*1080 definition
RF Interface	N
Work environment	-40°C~70°C
Video Format	PAL/NTSC(self-adaption)
Transmission Distance	15km NLOS distance(ground to ground) 20km-35km LOS distance(on sea)
Case Material Aluminum	black
Size	220*275*78mm
Weight	5.1kg

## Application

Widely used in public security, armed police, fire, field armies, other military departments and broadcasting, urban management, civil defense, transportation, customs, oil field, mining, water plant, electricity plant etc.

