1W 15km Drone UAV HDMI/CVBS Video Data Link Radio COFDM Transmitter with AES Encryption and H.264 Encoding

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet1433T
- Minimum Order Quantity: 1
- Price: USD 999~1699
- Packaging Details: Brown Carton
- Delivery Time: 5~8 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year

Product Specification

- Frequency: 300MHz-2.7GHz Customizable(700MHz Default)
- Bandwidth: 2-8MHz
- Encryption: AES
- Output Power: 30dBm
- Transmission Distance: 15km
- Video Compression: H.264
- Configuration: USB Programmer
- Weight: 110g

More Images

Product Description

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Product Description

Our Pro

The ZKManet1433T utilizes advanced COFDM modulation technology, providing excellent resistance to multipath interference. It employs H.264 video encoding, delivering 1080P resolution for sharp image quality, high-definition integration, and minimal latency. This device can capture high-quality images during rapid movement and transmit them in real-time over non-line-of-sight distances. It is especially well-suited for deployment on a range of UAVs.

Features

* Adopts COFDM modulation and H264/H265 compression
* Frequency 200MHz-2.7GHz customizable
* HDMI and CVBS dual video inputs
* 19-33dBm dynamic power adjustable
* Compact size and light weight
* Range up to 15 km(LOS)
* Support transparent data transmission
* Easy operation

Specifications

Transmission Parameters	
Modulation	QPSK(4QAM), 16QAM, 64QAM
Bandwidth	300MHz-2.7GHz Customizable
Output Power	30dBm
RF Bandwidth	2/3/4/6/7/8MHz
FEC	1/2,2/3,3/4,7/8
Guard Interval	1/4,1/8,1/16,1/32
Range	1km(NLOS)~15km(LOS)
Data Parameters	
Video Input	HDMI: 1080 60P/1080 50P/1080 30P/1080 25P/1080 24P/1080 60I/1080 50I/1080 30I/720 60P/720 50P/720 30PAV:720x480 60I(NTSC),720x576 50I(PAL)
Video Compression	H.264
RF Interface	SMA F head
Configuration	Using the USB programmer
Encryption	AES128
Electronic Parameters	
Working Voltage	DC12V
Working Current	≤1.2A(@12V)
Power Consumption	≤14.37dBm
Physical Parameters	
Weight	110g
Dimensions	77x54x23.5mm
Working Temp	-20ºC~+70ºC

Panel Description

Compact Size 300MHz-2.7GHz Customizable AES Cofdm HD Video Transmitter

1. Power input - 2 pin, DC 12V
2. AV video input - CVBS, analog SD
3. HDMI video input - digital HD
4. RJ45 port - reserved
5. Data port - RS232, TX to RX unidirectional.
6. CFG port - connect with the USB programmer to configure pa
7. Power indicator - red light

1. Antenna interface - SMA F

Compact Size 300MHz-2.7GHz Customizable AES Cofdm HD

Application

Compact Size 300MHz-2.7GHz Customizable AES Cofdm HD Video TransmitterCompact Size 300MHz-2.7GHz Customizable AES Cofdm HD

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was established in 2005. We focus on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. With excellent quality and advanced technology, we provide comprehensive network communication solutions to our customers.

Our chief scientist team, led by professors from the Network Security Institute of Wuhan University, has achieved remarkable results in the development of man-in-the-middle platforms for network security. The company currently offers platforms such as a drone denial system platform, long-distance wireless video transmission platform for drones, network encrypted data analysis platform, IPSEC man-in-the-middle platform, and SSH man-in-the-middle analysis platform.

Adhering to the principles of "unity and dedication, technological innovation, and service innovation," we serve users both domestically and internationally. We uphold the tenet of "quality first, reputation first" to provide high-quality, efficient, and customized services to our clients worldwide. The company is committed to promoting an innovative spirit of "exploration and progress."

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Compact Size 300MHz-2.7GHz Customizable AES Cofdm HD Video Transmitter

Compact Size 300MHz-2.7GHz Customizable AES Cofdm HD Video Transmitter Compact Size 300MHz-2.7GHz Customizable AES Cofdm HD

FAQ

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