1W H.264 Compression 2~8MHz Bandwidth Mini Size 15km Drone Video Data Link COFDM Radio

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
- Bandwidth: 2-8MHz
- Encryption: AES
- Output Power: 30dBm
- Range: 1km(NLOS)~15km(LOS)
- Encoding: H.264
- Configuration: USB Programmer
- Weight: 110g

More Images

Product Description

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Product Description

The ZKManet1433T adopts the leading COFDM modulation technology, with strong anti-multipath interference capability. The

Our Pro

video encoding uses the H.264 standard, achieving a resolution of 1080P, with clear image quality, high-definition integration, and low latency. It is capable of capturing high-quality images in high-speed motion and transmitting them in real-time over non-line-of-sight distances. It is particularly suitable for use on various 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 is a high-tech R&D enterprise. Our products mainly use Mesh and LTE as core technologies and auxiliary decision-making software to form underground building emergency communication systems, and police investigation communication systems, and police noncombat training communication systems, urban emergency communication systems, emergency communication vehicle communication systems, etc., suitable for law enforcement forces and government departments such as public security, armed police, , forest fire prevention, civil air defense, and maritime. Especially the intelligent communication products of special robots have solved the long-distance communication and control problems of robots in complex environments.

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."

Compact Size 300MHz-2.7GHz Customizable AESCompact Size 300MHz-2.7GHz Customizable AESCompact Size 300MHz-2.7GHz Custo

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

ZKMANET **Zhongke Lianxun (Shenzhen) Technology Co., Ltd**

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