ZKMANET1433T 1W 15KM COFDM Data Link Video Transmission RF Transmitter For Drone Uav Vtol

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKManet
- Certification: CE, ISO9001
- Model Number: ZKMANET1433T
- Minimum Order Quantity: 1
- Price: USD 999~9999
- Packaging Details: Brown Carton
- Delivery Time: 15 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year

Product Specification

- Modulation: QPSK/16QAM/64QAM
- Frequency: 300MHz-2.7GHz
- 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)
- Voltage: DC 12V
- Encryption: AES
- Application: UAV/Drone Long Range Communicate
- Highlight: **30dBm Drone Data Link**, **15km Drone Data Link**, **Small Size Drone Data Link**

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

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.

The system utilizes omnidirectional antennas, allowing for the rapid establishment of wireless transmission links. Both the capture and receiving ends can be moved freely without directional restrictions, making the system simple, reliable, and flexible in application. In complex electromagnetic environments, it demonstrates excellent anti-interference capabilities against frequency-selective fading or narrowband interference, as well as superior performance in mitigating interference between signal waveforms. Through joint coding of various subcarriers, it possesses strong resistance to fading.

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

Uav Drone Accessory Mini Video Data Link Radio 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

Application

Company Profile

Zhongke Lianxun (Shenzhen) Co., Ltd was established in 2005. The company focuses on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. It leverages the technical expertise of renowned university network security institutes. The company specializes in providing data encryption and decryption solutions as well as drone defense solutions for industries such as wind power, national power, oil and gas, firefighting, public security, road and bridge construction, and emergency management agencies.

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FAQ

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