

ZKMANET1433T 15KM DRONE UAV HDMI VIDEO TRANSMISSION DATA LINK TRANSMITTER

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 99~999
- Packaging Details: Brown Carton
- Delivery Time: 15 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 1000 pieces per year




Product Specification

- Frequency: 300MHz-2.7GHz
- Modulation: QPSK(4QAM)
- 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-15km
- Video Compression: H.264
- RF Interface: SMA F Head
- Configuration: USB
- Encryption: AES128
- Application: Drone Video Transmitter
- Highlight: 300MHz-2.7GHz Data Link,
15km Range Data Link,
H.264 Encoding Data Link




More Images






Product Description

ZKMANET1433T 15km Range Data Link COFDM UAV Video Transmitter for Communicate

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,

Our Product

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	-20°C~+70°C

Panel Description

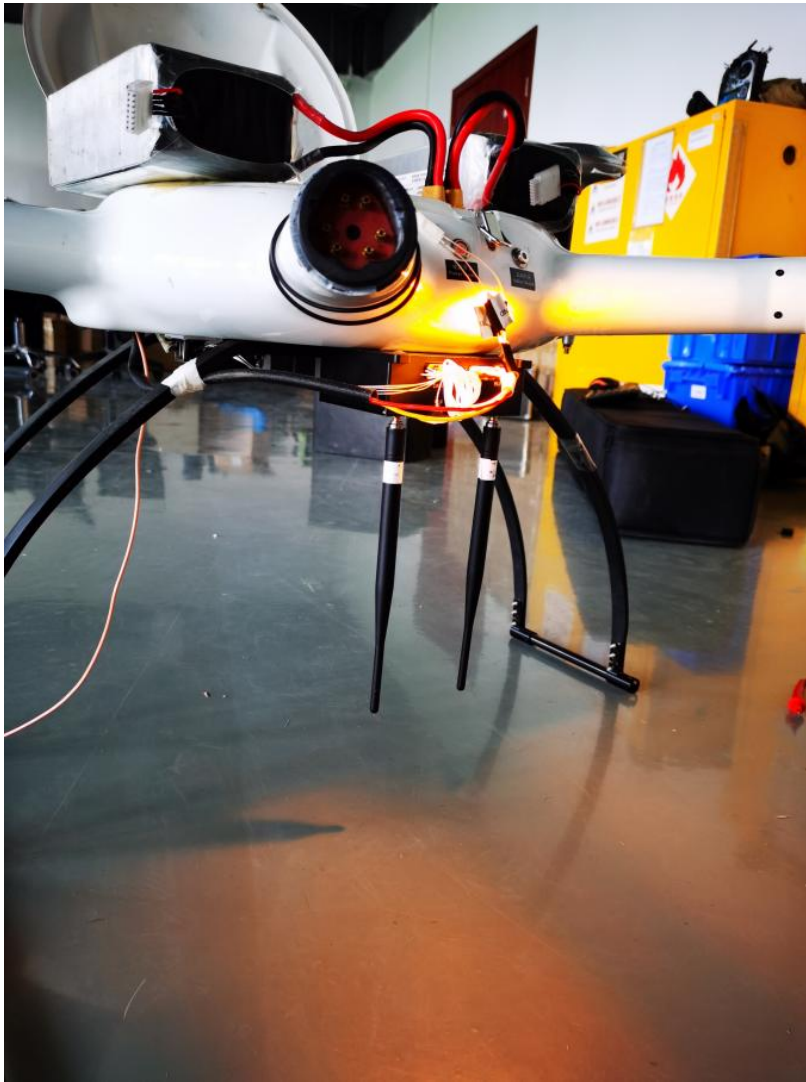
Uav Drone Accessory Mini Video Data Link Radio Transmitter

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 parameters
7. Power indicator - red light

1. Antenna interface - SMA F

Uav Drone Accessory Mini Video Data Link Radio Transmitter

Application



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.

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FAQ

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