

15km COFDM Drone Radio Airborne HD Wireless Video Transmitter with H.264 Encoding

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet1433T
- Minimum Order Quantity: 1 piece
- Price: USD 1599~1999 per piece
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year



Product Specification

- Modulation Types: QPSK(4QAM), 16QAM, 64QAM
- Working Frequency: Factory Standard Frequency 300MHz-2.7GHz Adjustable.
- Transmit Power: 30dBm(adjustable)
- RF Bandwidth: 2/3/4/6/7/8MHz Adjustable
- FEC: 1/2, 2/3, 3/4, 7/8
- Guard Interval: 1/4, 1/8, 1/16, 1/32
- Transmission Distance: 1km(non-line-of-sight)~15km(line-of-sight)
- Working Voltage: DC12V
- Core Technology: COFDM
- Video Encoding: H.264
- Highlight: Airborne HD Wireless Video Transmitter, H.264 Encoding Drone Radio, 15km Drone Radio



More Images



Product Description

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Product Description

The ZKManet1433T is a COFDM wireless digital video transmitter specifically engineered for drone applications. Featuring

Our Product

cutting-edge COFDM and H.264 technologies, it facilitates the creation of reliable wireless video links in various environments, including high-speed mobile situations. Its compact design makes it perfectly suited for installation on drones.

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

Mini Size 15km HDMI/CVBS Uav Drone Video Data Link 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

Mini Size 15km HDMI/CVBS Uav Drone Video Data Link Transmitter

Application

Mini Size 15km HDMI/CVBS Uav Drone Video Data Link Transmitter

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Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech R&D enterprise, founded in 2005 and has been committed to equipment production and engineering applications in the fields of wireless video transmission, emergency private network communications, multi-network integration dispatching, mobile multimedia applications, etc. The company has a professional, high-quality technical team with multi-level, multi-system comprehensive integration capabilities, has participated in many major projects, has more than 19 years of industry experience and organizational implementation capabilities, and has provided high-quality and efficient products and technical services to many users over 19 years.

We offer high effectively customized services, providing professional design->verification->manufacturing->application one-stop service according to customer needs. Our main research and development products include COFDM wireless transceivers; 4G-LTE wireless transceivers, 4G/5G wireless receivers, UAV/UGV radio data link, as well as MESH/SOC communication series products based on intelligent communication.

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