



15km Coverage Distance Drone Airborne Wireless Video Receiver Transmitter with FHSS Supported

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2421UM
- Minimum Order Quantity: 1 piece
- Price: USD 1099~1499
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year




Product Specification

- Working Frequency: 800MHz, 1.4GHz, 2.4GHz
- Working Bandwidth: 1.4MHz/3MHz/5MHz/10MHz/20MHz
- RF Channel: 1T2R
- Transmit Power: 25dBm
- Coverage Distance: 5-15km
- Networking Methods: Point To Point, Point To Multi-point
- Throughput Rate: 30Mbps(Max)
- Encryption: ZUC, SNOW3G, AES 3 Encryption Methods Available
- Conflict Management: When Two Or More Self-organized Networks Interfere With Each Other, Automatic Frequency Tuning Or Bandwidth Reduction Is Performed.
- FHSS: Support




More Images






Product Description

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ZKManet2421UM is a compact and portable unmanned carrier device with high definition and stable image quality developed by our company. Adopting the current leading OFDM modulation technology, it can realize shooting and real-time transmission of high-quality images in non-line-of-sight (non-visual), high-speed movement, encrypting images and data during transmission, and supporting frequency hopping at 800MHz, 1.4GHz, 2.4GHz, transmission rate of 30Mbps and 5-15KM air-to-ground transmission, which is very suitable for long-time and high-dataflow wireless transmission applications.

Features

1. IP data transparent transmission;
2. Support webcam access;
3. Long transmission distance, line-of-sight 5-15km;
4. Supports transmission at 800MHz, 1.4GHz, 2.4GHz frequency hopping;
5. Small and portable design, aluminum alloy with good thermal conductivity, impact resistant;
6. Supports unicast, multicast, and broadcast propagation methods, and any node can communicate with each other using these three methods.

Small in size, light weight.

Long transmission distance.

Low transmit power.

Low power consumption.

Network interface and serial interface.

Detailed Photos

15km Coverage Distance Drone Airborne Vehicles Wireless Video Receiver Transmitter

- 1. Power Cables
- 2. Data UART Port (GND, Rx, Tx) - 3.3V TTL
- 3. Link Status Indicator
- 4. Micro USB Port
- 5. Indicator (Red) for Power
- 6. Indicator for Ethernet Port 2
- 7. Ethernet Port 2 (RN, RP, TN, TP)
- 8. Indicator for Ethernet Port 1
- 9. Ethernet Port 1 (RP, RN, TP, TN)

- 1. Product Label
- 2. Air Inlet - for the cooling fan
- 3. ANT2 Port
- 4. ANT1 Port

15km Coverage Distance Drone Airborne Vehicles Wireless Video Receiver Transmitter

Product Parameters

Item No.	ZKManet2421UM	Band	ZKMANET
RF Parameters	Working Frequency	800MHz, 1.4GHz, 2.4GHz	
	Working Bandwidth	1.4MHz/3MHz/5MHz/10MHz/20MHz	
	RF Channel	1T2R	
	Transmit Power	25dBm	
	Coverage Distance	5-15KM	
Network Parameters	Networking Methods	Point to point, point to multi-point	
	Throughout Rate	30Mbps(Max)	
	Encryption	ZUC,SNOW3G,AES 3 encryption methods available	
	Conflict Management	When two or more self-organized networks interfere with each other, automatic frequency tuning or bandwidth reduction is performed.	
Physicals/Environments	Dimension	102*52*21.5mm	
	Weight	124g	
	Working Temperature	-40°C~+65°C	
Electrical Characteristics	Power Supply	DC12V	
	Power Consumption	<37dBm	
Other	Data Interfaces	RJ45*2,TTL*1	

Application

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FAQ

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