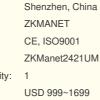
Compact Size 124g Long Range 15km 30Mbps Data Rate UAV Drone Video Data Transmission Radio

Basic Information

- Place of Origin:
- Brand Name:
- Certification:Model Number:
- Minimum Order Quantity: 1
- Price:
- Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:



- Brown Carton
- 5~8 working days
- rms: T/T, Western Union
 - 10000 pieces per year





Product Specification

- Frequency:
- Bandwidth:
- RF Channel:
- Output Power:
- Range:
- Data Rate:
- Dimensions:
- 144.1.1.1
- Weight:
- 800MHz/1.4GHz /2.4GHz 1.4MHz/3MHz/5MHz/10MHz/20MHz 1T2R 25dBm 5-15km (LOS) 30Mbps 102*52*21.5mm 124g



More Images



Product Description

Compact Size 124g Long Range 15km 30Mbps Data Rate UAV Drone Video Data Transmission Radio

Product Description

ZKManet2421UM is a compact and portable airborne device with HD and stable image quality. It adopts the current leading

Our Pr

OFDM modulation technology, allowing for capturing high-quality images in high-speed motion and real-time transmission over non-line-of-sight (NLOS) conditions. During transmission, encryption is applied to the images and data, supporting frequency hopping at 800MHz, 1.4GHz, and 2.4GHz, with a transmission rate of 30Mbps and a range of 5-15KM for air-to-ground transmission. It is well-suited for long-term and high-data-flow wireless transmission applications.

Features

- * Range up to 5~15km(LOS) * Supports 3 bands (800MHz/1.4GHz/2.4GHz) * Supports FHSS
- * IP transparent data transmission
- * Compact size and light weight
- * Rugged aluminum alloy housing
- * Low power consumption

Specifications

Model	ZKManet2421UM	Brand	ZKMANET
RF Parameters Network Parameters	Frequency	800MHz/1.4GHz /2.4GHz	
	Bandwidth	1.4MHz/3MHz/5MHz/10MHz/20MHz	
	RF Channel	1T2R	
	Output Power	25dBm	
	Range	5-15km (LOS)	
	Network Mode	One-to-one and one-to-many	
	Data Rate	30Mbps(Max)	
	Encryption	ZUC/SNOW3G/AES Optional	
	Conflict Handling	frequency adjustment or bandwidth reduction	
Dhysical/Environme	Dimensions	102*52*21.5mm	
Physical/Environme nt	Weight	124g	
	Working Temp	-40ºC~+65ºC	
Electronic	Power Supply	DC12V	
Parameters	Power Consumption	<37dBm	
Other	Data Interface	RJ45*2,TTL*1	

Panel Description		
23dBm 15km Uav Video Data Transmission 30Mbps Drone Radio	 Power Cables - power supply input line, red is VDD, black Data UART Port (GND, Rx, Tx) - 3.3V TTL Link Status Indicator - When the device works as an acce connection with the central node is normal, the indicator on. When the device works as a central node, this indicat Micro USB Port - For device software maintenance. Indicator (Red) for Power - Always on during normal oper Indicator for Ethernet Port 2 - Flashes according to the o works normally. Ethernet Port 2 (RN, RP, TN, TP) - Ethernet port 1 and 2 bridged. Indicator for Ethernet Port 1 - Flashes according to the o works normally. Ethernet Port 1 (RP, RN, TP, TN) - Ethernet port 1 and 2 bridged. 	
 Product Label Air Inlet - for the cooling fan ANT2 Port - Auxiliary antenna, works as auxiliary receiving, NO transmitting. ANT1 Port - Main antenna, work mode is TDD transmitting/receiving. 	23dBm 15km Uav Video Data Transmission 30Mbps Drone	
Application		
23dBm 15km Uav Video Data Transmission 30Mbps Drone Radio	23dBm 15km Uav Video Data Transmission 30Mbps Drone	
Company Profile		

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was established in 2005, focusing on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. We leverage the technical expertise of renowned university network security institutes.

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." 230Bm 15km Uav Video Data Transmission 30Mbp230Bmel Blandi Wav Video Data Transmis



203-B161, Block B, Garden City Digital Building, No.1079 Nanhai Avenue, Yanshan Community, Merchants Street, Nanshan District, Shenzhen, China