

30km+ Drone Video Data Link Radio Transceiver with 30Mbps Data Rate and AES Encryption

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2441UM
- Minimum Order Quantity: 1
- Price: USD 999~1699
- Packaging Details: Brown Carton
- Delivery Time: 4 working weeks
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year



Product Specification

- Frequency: 800MHz/1.4GHz /2.4GHz
- Bandwidth: 1.4MHz/3MHz/5MHz/10MHz/20MHz
- RF Channel: 1T2R
- Output Power: 2W
- Range: 30km (LOS)
- Network Mode: One-to-one And One-to-many
- Data Rate: 30Mbps
- Encryption: ZUC/SNOW3G/AES Optional



More Images



Product Description

30km+ Drone Video Data Link Radio Transceiver with 30Mbps Data Rate and AES Encryption

Product Description

The ZKManet2441UM is a compact and portable airborne radio with HD and stable image quality. It adopts the current leading

Our Product

OFDM modulation technology, allowing for capturing high-quality images in high-speed motion and real-time transmission in non-line-of-sight (NLOS) conditions. Encryption is applied to the images and data during transmission, supporting a transmission rate of 30Mbps and a range of 30KM for air-to-ground transmission. It is well-suited for long-term and high-data-flow wireless transmission applications, such as UAVs, USVs, and robots.

Features

- * Range no less than 30 km(LOS)
- * Supports 3 bands (800MHz/1.4GHz/2.4GHz)
- * IP transparent data transmission
- * Compact size and light weight
- * Rugged aluminum alloy housing
- * Low power consumption
- * With TTL and RJ45 port

Specifications

Model	ZKManet2441UM	Brand	ZKMANET
RF Parameters	Frequency	800MHz/1.4GHz /2.4GHz	
	Bandwidth	1.4MHz/3MHz/5MHz/10MHz/20MHz	
	RF Channel	1T2R	
	Output Power	33dBm	
	Range	30km (LOS)	
Network Parameters	Network Mode	One-to-one and one-to-many	
	Data Rate	30Mbps(Max)	
	Encryption	ZUC/SNOW3G/AES Optional	
Physical/ Environment	Dimensions	103.5*61.5*22mm	
	Weight	142g	
	Working Temp	-40°C~+65°C	
Electronic Parameters	Power Supply	DC12V	
	Power Consumption	<12W	
Other	Data Interface	RJ45*2,TTL*3	

Dimensions



Panel Description

- Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Data Transceiver
1. Audio Interface
 2. RA232 Interface*3
 3. RJ45 Interface-1
 4. RJ45 Interface-2
 5. Power Input Interface

1. Link Status Indicator - When the device works as an access node, if the connection with the central node is normal, the indicator will flash. When the device works as a central node, this indicator will be always on.

2. Signal Indicator
3. Power Indicator
4. RF Antenna-2
5. RF Antenna-1

Application

Compact Size Light Weight Long Range 30~Long Distance, Drone IP Video Data Transceiver

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech R&D enterprise. Our products mainly use Mesh and LTE as core technologies and auxiliary decision-making software to form underground building emergency communication systems, and police investigation communication systems, and police noncombat training communication systems, urban emergency communication systems, emergency communication vehicle communication systems, etc., suitable for law enforcement forces and government departments such as public security, armed police, , forest fire prevention, civil air defense, and maritime.

Especially the intelligent communication products of special robots have solved the long-distance communication and control problems of robots in complex environments.

We have multiple patents with independent intellectual property rights, has established a sound quality system and national standard system that comply with ISO9001 standards, and strictly produces products in accordance with national standards and internationally recognized standards such as CCC, CE, FCC, etc. It has obtained the Radio Transmission Equipment Model Approval Certificate issued by the Ministry of Industry and Information Technology of China and has passed the wireless product testing certification of the Ministry of Public Security.

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FAQ

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