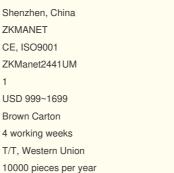
30km+ Drone Video Data Link Radio Transceiver with 30Mbps Data Rate and AES Encryption

Basic Information

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





Product Specification

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





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

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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-dataflow 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 | -40ºC~+65ºC | |
| Electronic Parameters | Power Supply | DC12V | |
| | Power Consumption | <12W | |
| Other | Data Interface | RJ45*2,TTL*3 | |

Panel Description

1. Audio Interface

2. RA232 Interface*3

Compact Size Light Weight Long Range 30~Long Distance Drone IP Video3Data 45 answer 1

- 4. RJ45 Interface-2
 - 5. Power Input Interface

Compact Size Light Weight Long Range 30~Long Distance Dru

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 Water Size/Light Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Weight Long Range 30~Long Distance Drone IP Video Water Size/Light Weight Weight

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.

Compact Size Light Weight Long Range 30~Long @stapaet@izeeLlight/MerigDataoTigaRangie@0~Long @stapaet@izeeLlight/MerigDataoTigaRan

Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Data Transceiver Compact Size Light Weight Long Range 30~Long Distance Drone IP Video **(Data) Size/Eight Weight Long Range 30~Long** Distance Dro

FAQ Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Watar Fact Size/Light Weight Long Range 30~Long Distance Dru

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