

43dBm UAV Video Drone Data Link

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet3371
- Minimum Order Quantity: 1 piece
- Price: USD 3799~4999 per piece
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram, Western Union
- Supply Ability: 10000 pieces per year

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Product Specification

- Default Frequency: 1300-1500MHz (70MHz-6GHz Customizable)
- Channel Bandwidth: 2.5/5/10/20Mhz
- RF Channel: 2T2R
- Output Power: 43dBm
- 4G: Full Netcom
- Range: 20-40KM(visible Range)
- Network Capability: 8 Nodes (Customizable)
- Data Rate: 56Mbps
- Encryption: AES
- Dimensions: 220*180*85mm
- Weight: 3.5kg
- Highlight: video wireless transmitter, wireless video transmitter hdmi, wireless transmitter video

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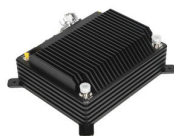


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Product Description

ZKMANET Zhongke Lianxun (Shenzhen) Technology Co., Ltd

43dBm Drone UAV Video Data Link Radio Wireless IP HDMI Video Transmitter for Long Range Transmission

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

Product Description

ZKManet3371 is a high-power radio utilizing an FPGA solution, supporting adaptive frequency hopping and selection. It has the capability to automatically select the optimal frequency in the presence of electromagnetic interference, enabling broadband service transmission in complex

Our Product

scenarios through self-organizing networks. The device is designed with professional shock absorption features, making it easy to install on vehicles, ships, and aircraft. It can be easily powered on with a single button press, without the need for configuration or parameter changes.

Features

- * Data rate up to 56Mbps
- * Supports two-way voice intercom
- * Supports WIFI
- * Supports GPS/BD
- * Supports HDMI input
- * Supports IP data transparent transmission
- * Easy operation

Specifications

Default Frequencies	1300-1500MHz (70MHz-6GHz customizable)
Channel Bandwidth	2.5M/5M/10M (20MHz/40MHz optional)
RF Waveform	TDD-COFDM + 2T2R
Output Power	43dBm (43dBm)
Receive Sensitivity	-100dBm@2.5MHz
Modulation Type	BPSK/QPSK/16QAM/64QAM (adaptive)
FHSS	Optional (>1000 hop/s)
Intelligent Frequency Slection	Optional
Network Size	8 nodes (Customizable)
Multi-hop Capability	15 hops (short message); 10 hops (voice); 8 hops (video)
Range	Long Range Customizable
Data rate	Up to 28Mbps@10MHz & 56Mbps@20MHz
Delay	7ms@2.5MHz/hop
Movement Speed	>1000km/h
Start Time	27s
Positioning	GPS/BD
Network Access Time	<1s
Network Extension	WIFI AP
Weight	3.5kg (w/o Antenna)
Dimensions	220*180*85mm
IP Rating	IP66
Working Temp.	-40°C~70°C
Working Voltage	24-36VDC
Power Consumption	≤937dBm
LAN Interface	*1
RS232 Interface	*1
Video Interface	HDMI*1

Detailed Photos

Dimensions

Panel Description

1. WIFI antenna interface
2. LAN/DATA Interface
3. HDMI Interface
4. MESH signal indicator
5. Power input port
6. Power push button
7. GPS antenna interface
8. MESH antenna Interface -1
9. MESH antenna Interface -2

Fpga High Power Long Range Uav Drone Video Data Link Radio Transceiver

Application

Fpga High Power Long Range Uav Drone Video Data Link Radio Transceiver

Fpga High Power Long Range Uav Drone Video Data Link Radio Transceiver

Company Profile

Zhongke Lianxun (Shenzhen) Co., Ltd was established in 2005. The company focuses on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. It leverages the technical expertise of renowned university network security institutes. The company specializes in providing data encryption and decryption solutions as well as drone defense solutions for industries such as wind power, national power, oil and gas, firefighting, public security, road and bridge construction, and emergency management agencies.

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