

4-Channel 82Mbps Mesh UgV Robot Video Data Transmitter Radio for Video Transmission

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2452UM
- Minimum Order Quantity: 1
- Price: USD 1999~2999
- Packaging Details: Brown Carton
- Delivery Time: 5~8 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year




Product Specification

- Frequency: 1400MHz-1480MHz (Customizable)
- RF Bandwidth: 5m/10m/20MHz/40MHz
- RF Channel: 2T2R
- Transmission Power: 36dBm (2X2w MIMO)
- Modulation: Dsss/Cck Bpsk/Qpsk Ofdm Bpsk/Qpsk/16-Qam/64-Qam
- Max Throughput: 82Mbps(Max)
- Encryption: AES
- Channel: 4-Channel
- Highlight: **4-Channel Video Data Transmitter Radio, 82Mbps Mesh Video Data Transmitter Radio**




More Images






Product Description

4W 4-Channel 82Mbps Mesh UgV Robot Video Data Transmitter Radio

Product Description

The ZKManet2452UM is a 4W UGV/Robot video data transmitter with powerful functions and stable performance using the

Our Product

leading MANET technology. It can form up an intelligent communication system with a remote control station, the video and data are encrypted during transmission. In application, it transmits on-site video and information (such as oxygen concentration and vehicle status, etc.) back to the control station.

Features

- * High bandwidth up to 82Mbps
- * With built-in 4-channel DVR
- * Supports CVBS/AHD/CVI video input
- * Full IP duplex transparent data transmission
- * Up to 1.5km ground-to-ground transmission range
- * Supports Web and PC software configuration
- * Rugged aviation aluminum alloy housing

Specifications

Transmission Characteristics

Default Frequencies	1400MHz-1480MHz (Or customize)
Channel Bandwidth	5M/10M/20MHz/40MHz
RF Channel	2T2R
Output Power	36dBm (2x2W MIMO)
Modulation Type	DSSS/CCK BPSK/QPSK OFDM BPSK/QPSK/16-QAM/64-QAM
Data Rate	Up to 82Mbps
Network Capability	9 hops and no less than 64 nodes
Encryption	AES

Interfaces

RF	N*2, SMA*1
Video Input	IP/CVBS/AHD/CVI*4
LAN	RJ45*1, 4-PIN Aviation LINE*1
Data	DATA1, DATA2, DATA3, IO1, IO2
Intercom	5-PIN Aviation Connector
Power	3-PIN Aviation Connector

Electrical Characteristics

Working Voltage	DC 12V
Power Consumption	<High Power Average

Physical Characteristics

Weight	2.4kg
Dimensions	300*185*69mm
Storage Temp.	-45°C~85°C
Working Temp.	-20°C~70°C
Working Humidity	5%RH-95%RH (Non-Condensing)

Dimensions

4W 4-Channel Mesh Radio Video Data Transmitter for 1.5km UgV Robot Application

Panel Description

	<ol style="list-style-type: none"> 1. LAN interface, RJ45 2. Power input interface, 3-PIN aviation connector 3. S/R signal indicator 4. DATA1 - RS232 or RS485 5. DATA2 - PTZ control interface 6. DATA3 - CAN and sensor data interface 7. LAN interface, LINE 8. Audio 9. IO1 10. IO2 11. USB, for storage 12. CH1 - IPC or AHD camera input 13. CH2 - IPC or AHD camera input 14. CH3 - IPC or AHD camera input 15. CH4 - IPC or AHD camera input
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1. MESH antenna interface-1, N F
2. Reserved antenna interface for GPS/WIFI/4G-LTE, SMA F
3. MESH antenna interface-2, N F

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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.

4W 4-Channel Mesh Radio Video Data Transmitter for 1.5km UgV Robot Application 4W 4-Channel Mesh Radio Video Data Transmitter for 1.5km L 4W 4-Channel Mesh Radio Video Data Transmitter for 1.5km L

Our Patents

4W 4-Channel Mesh Radio Video Data Transmitter for 1.5km UgV Robot Application

Test Equipments

4W 4-Channel Mesh Radio Video Data Transmitter for 1.5km UgV Robot Application

Our Advantages

4W 4-Channel Mesh Radio Video Data Transmitter for 1.5km UgV Robot Application

ZKMANET Zhongke Lianxun (Shenzhen) Technology Co., Ltd

+86 13266718951 Info@chinamanet.com zkmanet.com

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