

## 4W 4-Channel Mesh Radio Video Data Transmitter For 1.5km Ugv Robot Application

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: 1.5km Mesh Radio Video Data Transmitter, 4W Mesh Radio Video Data Transmitter




### More Images










### Product Description

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

##### 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"> <li>1. LAN interface, RJ45</li> <li>2. Power input interface, 3-PIN aviation connector</li> <li>3. S/R signal indicator</li> <li>4. DATA1 - RS232 or RS485</li> <li>5. DATA2 - PTZ control interface</li> <li>6. DATA3 - CAN and sensor data interface</li> <li>7. LAN interface, LINE</li> <li>8. Audio</li> <li>9. IO1</li> <li>10. IO2</li> <li>11. USB, for storage</li> <li>12. CH1 - IPC or AHD camera input</li> <li>13. CH2 - IPC or AHD camera input</li> <li>14. CH3 - IPC or AHD camera input</li> <li>15. CH4 - IPC or AHD camera input</li> </ol>
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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

We are 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 non combat 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.

Zhongke Lianxun (Shenzhen) Co.,Ltd has 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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**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

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

**Our Advantages**

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