

## 4W 2T2R 4-Channel AES256 UGV Robot Video Data Transmitter Radio for 1.5km 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: 4W
- Range: 1.5km
- Max Throughput: 82Mbps(Max)
- Encryption: AES
- Channel: 4-Channel
- Highlight: UGV Robot Video Data Transmitter Radio, 2T2R Video Data Transmitter Radio, 1.5km Video Data Transmitter Radio




### More Images






### Product Description

#### 4W 2T2R 4-Channel AES256 UGV Robot Video Data Transmitter Radio for 1.5km Transmission

##### 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

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was established in 2005, focusing on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. We leverage the technical expertise of renowned university network security institutes.

Adhering to the principles of "unity and dedication, technological innovation, and service innovation," we serve users both domestically and internationally. We uphold the tenet of "quality first, reputation first" to provide high-quality, efficient, and customized services to our clients worldwide. The company is committed to promoting an innovative spirit of "exploration and progress."

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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

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