

## 49km 82Mbps IP MESH UAV Drone Video Data Link Radio with AES256 Encryption

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2451UM
- Minimum Order Quantity: 1
- Price: USD 1999~4999
- Packaging Details: Brown Carton
- Delivery Time: 4 working weeks
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year



### Product Specification

- Frequency: 1.4GHz (300MHz-3.8GHz Customizable)
- Bandwidth: 5/10/20/40MHz
- RF Channel: 2T2R
- Output Power: 4W
- Network Capacity: 8 Nodes Customizable
- Data Rate: 82Mbps
- Encryption: AES
- Range: 40-49km (LOS)



### More Images



### Product Description

#### 49km 82Mbps IP MESH UAV Drone Video Data Link Radio with AES256 Encryption

##### Product Description

ZKManet2451UM is a 4W MESH video data link that can be used in various communication combinations for different usage

Our Product

scenarios. It can be used on moving vehicles, ships, robots, drones, unmanned boats, etc., allowing for easy plug-and-play operation without the need for configuration or parameter changes. It is primarily used for multimedia interconnection between drones and individual soldiers, and between individual soldiers and base stations.

## Features

- \* Data rate up to 82Mbps
- \* Range up to 40~49km
- \* Full transparent IP data transmission
- \* With HDMI input
- \* Supports 8 nodes customizable
- \* Small size and light weight

## Specifications

<b>Model</b>	ZKManet2451UM	<b>Brand</b>	ZKMANET
<b>RF Parameters</b>	<b>Frequency</b>	1400-1460MHz (300MHz-3.8GHz Customizable)	
	<b>Bandwidth</b>	5/10/20/40MHz	
	<b>RF Channel</b>	2T2R	
	<b>Output Power</b>	4W	
<b>Network Parameters</b>	<b>Network Size</b>	8 nodes customizable	
	<b>Data Rate</b>	82Mbps	
	<b>Encryption</b>	AES	
	<b>Range</b>	40-49 km (LOS)	
<b>Physical/ Environment</b>	<b>Dimensions</b>	113*84*38mm	
	<b>Weight</b>	450g	
	<b>Working Temp</b>	-40°C~+65°C	
	<b>IP Rating</b>	IP54	
<b>Electronic Parameters</b>	<b>Power Supply</b>	DC12-24V	
	<b>Power Consumption</b>	<12W	
<b>Other</b>	<b>HDMI Interface</b>	Support	
	<b>LAN Port</b>	Support	
	<b>TTL Port</b>	Support	

## Dimensions

4W 82Mbps Long Range 40~Long Distance Uav Video Data Link Radio Transmitter

## Panel Description

1. MESH antenna interface, SMA F
2. HDMI input interface
3. MESH antenna interface, SMA F
4. LAN/TTL interface (J30J-15TJ connector, PIN 1, 2, 3 and 4 for LAN, PIN 5, 6 and 7 for TTL GND, TX and RX)
5. Power input interface

## Application

4W 82Mbps Long Range 40~Long Distance Uav Video Data Link Radio Transmitter 4W 82Mbps Long Range 40~Long Distance Uav Video Data Link Radio Transmitter

## Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was founded in 2005 and specializes in the research and development of products related to drone defense and control, wireless video transmission, and network security encryption and decryption. With a commitment to high quality and cutting-edge technology, we deliver comprehensive network communication solutions to our clients. Our team of chief scientists, led by professors from the Network Security Institute at Wuhan University, has made significant advancements in developing man-in-the-middle platforms for enhancing network security.

Currently, our offerings include platforms such as a drone denial system, long-range wireless video transmission for drones, a network encrypted data analysis platform, an IPSEC man-in-the-middle platform, and an SSH man-in-the-middle analysis platform. We also provide design and development services for big data collection and analysis products tailored for large enterprises and institutions with confidentiality requirements. In addition, we sell network security equipment and offer technical services in information security. Our products are extensively utilized by law enforcement agencies and government bodies, including public security, armed police forces, units, forest fire prevention teams, civil air defense organizations, and maritime authorities.

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## FAQ

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