

## 5KM RAV EOD UGV RF Remote Controller With Double Screen ZKMANET2152UM

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE
- Model Number: ZKMANET2152UM
- Minimum Order Quantity: 1
- Price: USD 99~999
- Packaging Details: Carton
- Delivery Time: 15 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 1000 pieces per year



### Product Specification

- Color: Black
- Screen: Double
- Frequency: Customized
- Range: 1-5km
- Material: Rubber
- Application: UGV EOD RAV
- Size: 373\*241\*57mm
- Type: Button
- Highlight: RAV RF Remote Controller,  
Double Screen RF Remote Controller,  
5KM RF Remote Controller



### More Images



## ZKMANET2152UM 10.1inch RAV EOD UGV RF Remote Controller

### Product Description

ZKMANET2152UM is a waterproof industrial-grade remote control based on an embedded operating system. It supports customer-defined communication protocols and control protocols. The communication method adopts self-organizing network communication. The point-to-point communication reaches 1.5 kilometers in complex environments and supports 64 devices are online at the same time, fully solving the problem of mutual interference between multiple devices. It also supports public network 4G/5G transmission, and supports 1-8 channels of video transmission and network monitoring. Practical needs such as data control backhaul. The backlight adopts a slightly upward tilt of the screen, an upright antenna, and a silicone-wrapped handshake part. It feels friendly to the human-machine interface and gives full play to the optimal performance of the device.

### Features

Aluminum alloy shell: strong heat dissipation, the handshake part is wrapped in silicone and comes with a strap for easy operation;

High-definition high-brightness screen: The 10.1-inch high-definition high-brightness screen is visible under sunlight. The analog video image delay does not exceed 0.3 seconds, and the network camera delay does not exceed 0.4 seconds. The front-end feedback data is visible in real time.

Bidirectional transmission: The images and information collected by the front-end are transmitted to the back-end robot remote controller through the front-end transmitter. The back-end robot remote controller can send control instructions to the robot to realize bidirectional data transmission of the robot intelligent communication system;

Remote control: At the same site, one remote control can control multiple robots or multiple remote controls can control multiple robots to achieve collaborative operations of robot clusters.

Long transmission distance: 1.5 kilometers in urban environment, 2-5 kilometers in line of sight;

Simple operation: voice intercom is possible, multiple rockers, switches and buttons are set, making it easy to operate in an emergency;

Networking function: MESH self-organizing network, the number of relay hops is not less than 9 hops, and the networking nodes are not less than 64;

Long working time: built-in battery, with a battery life of up to 4 to 5 hours, which can work for a long time in emergency situations;

High protection level: IP67 protection design, convenient for use in harsh environments.

### Product Parameters

Model	ZKMANET2152UM	Brand	ZKMANET
Parameter	System	Windows 10	
	Screen dimension	10.1inch FHD Screen	
	Definition	1280*800px	
	Light	1000 nits	
	Video output	1-8Channels Video Display	
RF Parameter	Working Frequency	1.4GHz	
	Bandwidth	5/10/20/40MHz,20MHz(Typical)	
	RF Channels	2T2R	
	RF power	4W	
Interface parameter	RF Interface	TNC*2,SMA*1	
	Network Interface	RJ45	
	PTT Interface	Waterproof K head MIC	
	Charging interface	Waterproof DC Head	
Network parameter	Network capacity	No less than 9 Hops,10nodes(Can be customized)	
	Transmission range	1.5(NLOS) 2-5km(LOS)	
	Data rate	82Mbps	
	Encryption	AES	
	Public network	4G/5G	
Physical parameter/Environment	Dimension	373*241.5*57mm	
	Weight	2.9kg(W/Battery)	
	Working temperature	-20°C-60°C	
	Protection rank	IP66	
Electric character	Working voltage	12V	
	Battery capacity	12Ah	
	Power consumption	Less than High Power	

### Panel Description

Double Screen Ugv Eod Special Equipment RF Remote Controller for Harse Environment

- 1: MESH antenna Interface
- 2: 4G/5G Sim card interface
- 3:4G antenna interface
- 4: MESH antenna interface

Double Screen Ugv Eod Special Equipment RF Remote Controller for Harse Environment

- 1. Power interface
- 2. Network interface
- 3. Power display
- 4. PTT interface

#### Application

### SPECIAL EQUIPMENT UGV EOD REMOTE CONTROL

#### Company

#### Profile

ZKMANET Technology was established in 2005 and is a high-tech research and development enterprise. The company is market-oriented, focusing on developing products suitable for emergency communication, non-combat mission communication systems for forces, special robot intelligent communication products, and auxiliary decision-making systems. The company is dedicated to providing customers with wireless broadband communication products and auxiliary decision-making system research and production under complex conditions.

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#### Certifications

Double Screen Ugv Eod Special Equipment RF Remote Controller for Harse Environment

#### FAQ

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