

ZKMANET2152UM Multifunctional Waterproof Industrial-Grade Remote Control For UGV EOD

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE,FCC
- Model Number: ZKMANET2152UM
- Minimum Order Quantity: 1
- Price: USD 99~999
- Packaging Details: Carton
- Delivery Time: 10 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: Alluminum Alloy
- Application: UGV EOD Emergency Rescue
- Size: 373*241*57mm
- Type: Button
- Display: 8 Channels
- Highlight: **UGV Waterproof Industrial-Grade Remote Control**
, Multifunctional Industrial-Grade Remote Control
, EOD Waterproof Industrial-Grade Remote Control



More Images



Product Description

ZKMANET2152UM Multifunctional Waterproof Industrial-Grade Remote Control For UGV EOD

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 10 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



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.

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

Certifications

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

FAQ

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

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