Long Range 49km LOS Rugged IP65 2W UAV Drone Auto-Tracking Antenna Ground Terminal

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2441
- Minimum Order Quantity: 1
- Price: USD 1699~USD2299
- 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: 800MHz/1.4GHz/2.4GHz(Customizable)
- Bandwidth: 5MHz/10MHz/20MHz
- RF Channel: 1T2R
- Output Power: 2W
- Range: 49km(LOS)
- Motor Torque: 30N*m
- Rotation Angle: 360°horizontally, 90°vertically
- Angle Accuracy: ±2°
- Highlight: **IP65 Drone Ground Terminal,**
Long Distance Antenna Ground Terminal,
2W Antenna Ground Terminal

More Images

Product Description

Long Range 49km LOS Rugged IP65 2W UAV Drone Auto-Tracking Antenna Ground Terminal

Product Description

The ZKManet2441 is a ground terminal designed for long distances video data communication. It has built-in GPS tracking

module and wireless communication module. The airborne GPS module feeds GPS/BD coordinate information to the wireless communication module through serial port for transparent transmission. The ground terminal calculates the pointing angle based on its own latitude and longitude and that of the airborne module. This ensures your ground panel antenna is always aligned with your airborne module, maintaining the best possible wireless reception and significantly increasing the range. It adopts 1T2R dual-antenna transmission, with a high-gain directional antenna for sending and receiving, and an omnidirectional antenna for receiving, which can transmit signals more effectively.

Features

* 2W power output for up to 49km range
* Automatic calibration algorithm at startup
* With main and sub (LoRa) dual links to ensure timely refreshing of GPS data
* Using 1T2R dual-antenna for more reliable transmission
* 360-degree twist-free slip ring

Specifications

Model	ZKManet2441	Brand	ZKMANET
RF Parameters	Frequency	800MHz/1.4GHz/2.4GHz	
	Bandwidth	5MHz/10MHz/20MHz	
	RF Channel	1T2R	
	Output Power	2W	
	Range	49km(LOS)	
PTZ Parameters	Motor Torque	30N*m	
	Rotation Angle	360°horizontally, 90°vertically+	
	Angle Accuracy	±2°	
	Maximum Motor Speed	0.21s/60°	
Interface Parameters	RF Interface	N*1,SMA*2	
	LAN Interface	Waterproof aviation connector	
	Power Interface	Waterproof DC connector	
Network Parameters	Data Rate	30Mbps(Max)	
	Encryption	ZAES128	
Physical/Environment	Dimensions	306*396*416mm	
	Weight	4.2kg (w/ battery & antenna)	
	IP Rating	IP65	
	Working Temp	-40ºC~+60ºC	
Electrical Parameters	Power Supply	DC12V	
	Power Consumption	<High Power	

Dimensions

800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tracking Antenna 800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tra

Panel Description

800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tracking Antenna 800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tra

1. GPS Antenna
2. Directional panel antenna interface, SAM F
3. LoRa link antenna interface, SMA F
4. Power button
5. OLED screen (1.3") and configuration buttons (up, down and menu)
6. Battery indicator
7. Omnidirectional antenna interface, SAM F
8. LAN & Serial port - 9 pin aviation connector (4 pins for LAN, 3 pins for TTL and 2 pins not used)
9. DC power input interface, waterproof

Application

800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tracking Antenna

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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