360 Degree Horizontally 90 Degree Vertically GPS/BD UAV Video Data Communication Auto-Tracking Antenna Ground Terminal

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2401
- Minimum Order Quantity: 1 piece
- Price: USD 999 1999 per piece
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year

Product Specification

- Working Frequency: 800MHz,1.4GHz ,2.4GHz
- RF Bandwidth: 5/10/20MHz
- RF Channel: 1T2R
- Transmission Power: 300mW
- Motor Torque: 30N*m
- Rotation Angle: 360 Degree Horizontally, 90 Degree Vertically
- Angular Accuracy: 2 Degree
- Max. Motor Speed: 0.13s/60degree
- Highlight: **GPS/BD Ground Terminal**, **UAV Ground Terminal**, **Antenna Ground Terminal**

More Images

for more products please visit us on zkmanet.com

Our Pr

Product Description

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The ZKManet2401 is a ground terminal specifically crafted for long-range video data transmission. It incorporates an

integrated GPS tracking module along with a wireless communication module. The airborne GPS module transmits GPS/BD coordinate data to the wireless communication module via a serial port, enabling seamless transmission. The ground terminal determines the pointing angle by comparing its own latitude and longitude with those of the airborne module. This alignment ensures that the ground panel antenna consistently points towards the airborne module, optimizing wireless reception and significantly enhancing the operational range. It features a 1T2R dual-antenna system, utilizing a high-gain directional antenna for both transmitting and receiving, as well as an omnidirectional antenna for improved signal reception, thereby enhancing overall transmission efficiency.

Features

* 316mw power output for up to 20km 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	ZKManet2401	Brand	ZKMANET
RF Parameters	Frequency	800MHz/1.4GHz/2.4GHz	
	Bandwidth	5MHz/10MHz/20MHz	
	RF Channel	1T2R	
	Output Power	23dBm	
	Range	20km(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

Uav Drone Directional Antenna Ground Terminal Tracker Gsc

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Panel Description

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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

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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.

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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FAQ

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