

## Long Range 20km LOS 23dBm UAV Drone Auto-Tracking Ground Antenna Terminal

Our Product Introduction

for more products please visit us on [zkmanet.com](http://zkmanet.com)

### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2401
- Minimum Order Quantity: 1
- Price: USD 999~1699
- 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
- Bandwidth: 5MHz/10MHz/20MHz
- RF Channel: 1T2R
- Output Power: 23dBm
- Range: 20km(LOS)
- Motor Torque: 30N\*m
- Rotation Angle: 360°horizontally, 90°vertically
- Angle Accuracy:  $\pm 2^\circ$



### More Images



### Product Description

#### Long Range 20km LOS 23dBm UAV Drone Auto-Tracking Ground Antenna Terminal

##### Product Description

The ZKManet2401 is a ground terminal designed for long distances video data communication. It has built-in GPS tracking

Our Product

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

- \* 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	-40°C~+60°C	
Electrical Parameters	Power Supply	DC12V	
	Power Consumption	<High Power	

#### Dimensions

800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tracking Antenna800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tr

#### Panel Description

800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tracking Antenna800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tr

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 established in 2005, focusing on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. We leverage the technical expertise of renowned university network security institutes.

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."

800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tracking Antenna800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tr800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tr

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

800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tracking Antenna800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tr

FAQ

800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tracking Antenna800MHz/1.4GHz/2.4GHz Uav Drone Ground Terminal Auto Tr

**ZKMANET Zhongke Lianxun (Shenzhen) Technology Co., Ltd**

+86 13266718951    Info@chinamanet.com    zkmanet.com

203-B161, Block B, Garden City Digital Building, No.1079 Nanhai Avenue, Yanshan Community, Merchants Street, Nanshan District, Shenzhen, China