

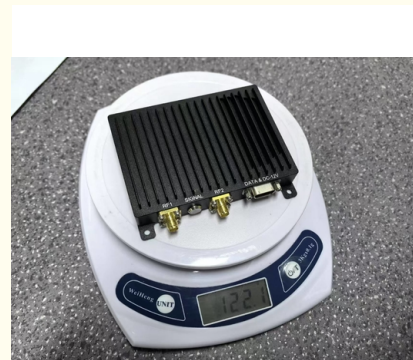
## 1W MESH Video Transmitter for UAV with 30KM Range

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: ZKmanet3460
- Minimum Order Quantity: 1
- Price: USD 999
- Packaging Details: Brown Carton
- Delivery Time: 5~8 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year



### Product Specification

- Working Mode: MESH/3GPP R9 Protocol
- Bandwidth: 2.5M/5M/10M/20MHz
- RF Channel: 2T2R
- Output Power: 1W
- Range: 10~30KM
- Data Rate: Up To 25Mbps@10MHz & 48Mbps@20MHz
- Encryption: AES
- WIFI: 2.4G/5.8G
- Highlight: **1W UAV video transmitter, MESH video transmitter 30KM range, vehicle mounted MESH data link**



### More Images



## Product Description

### 1W Mesh Video Transmitter

#### Product Attributes

Attribute	Value
Working Mode	MESH/3GPP R9 protocol
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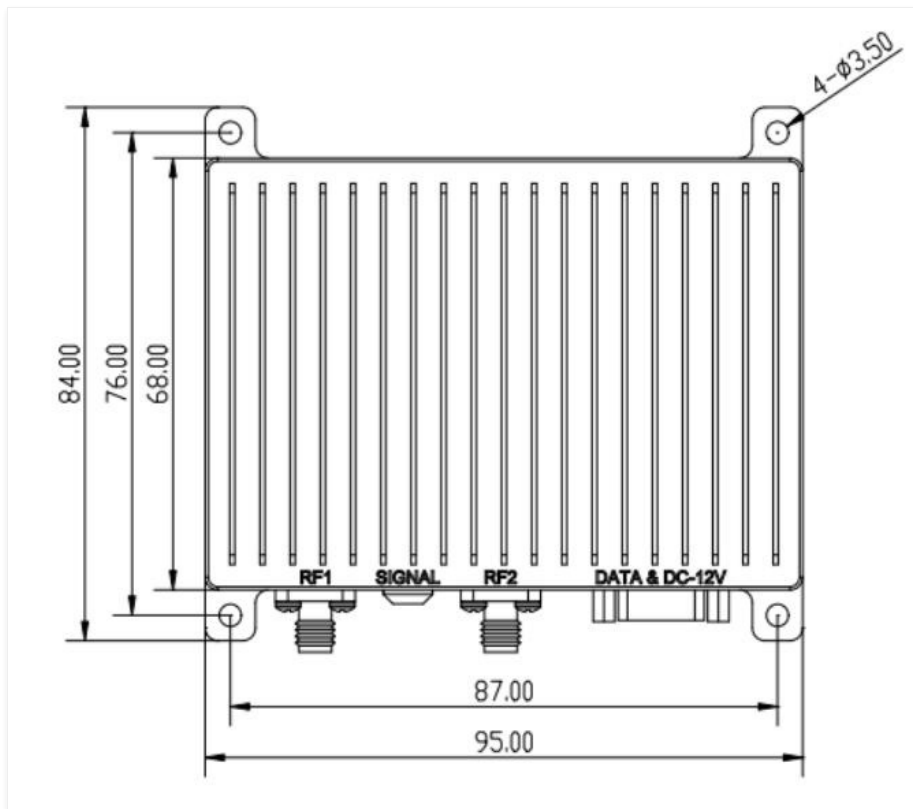
#### Product Description

The ZKmanet3460 is a rugged MANET (MESH Network) transceiver specially designed for UAV video data transmission. Based on FPGA solution, it supports FHSS (Frequency Hopping) and IFS (Intelligent Frequency Selection). With 1 watt power output, it is ideal for tactical mesh deployments including Public Security, Armed Police, Fire Control and Military applications. Its multi-hop capability extends transmission distance, with each hop covering 10-30km air-to-air (LOS).

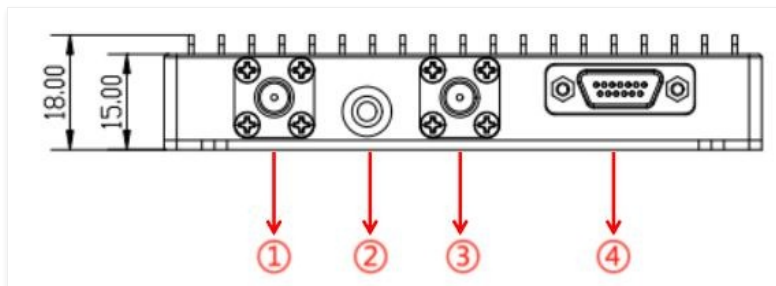
#### Key Features

- ◆ Supports MESH Network (MANET)
- ◆ Frequency 1300-1500MHz (customizable)
- ◆ Supports FHSS and IFS
- ◆ Supports AES256 encryption
- ◆ 2x0.5W power output
- ◆ Data rate up to 48Mbps
- ◆ Supports up to 32 nodes
- ◆ Supports GPS/BD/GLONASS (GNSS)
- ◆ Full transparent IP data transmission
- ◆ Supports Web and PC software management

#### Dimensions



## Panel Description



① MESH antenna ② Signal indicator light ③ MESH antenna ④ RS232, LAN and power port

## Product Parameters

RF Parameters	
Default Frequencies	1300-1500MHz (accept customize)
Channel Bandwidth	2.5M/5M/10M/20MHz
RF Waveform	TDD-COFDM (2T2R)
Output Power	2x0.5W, 1dBm step adjustable
Receive Sensitivity	-100dBm@5MHz
Modulation Type	BPSK/QPSK/16QAM/64QAM (adaptive)
FHSS	Optional (>1000 hop/s)
IFS	Optional
Network Parameters	
Network Size	Up to 32 nodes
Multi-hop Capability	15 hops (short message); 10 hops (voice); 8 hops (video)
Range	10-30km (Air-to-Ground LOS)
Data rate	Up to 25Mbps@10MHz & 48Mbps@20MHz
Delay	7ms@2.5MHz/hop
Movement Speed	>1000km/h
Start Time	27s
Positioning	GPS/BD/GLONASS (GNSS)
Network Access Time	<1s
Electrical Parameters	
Working Voltage	7-15V DC
Power Consumption	≤9W
Physical/Environment	
Weight	123g
Dimensions	84*95*18mm
Working Temp.	-40°C~70°C
Interface	
LAN Interface	*1
Serial Interface	RS232*2

### Company Profile

Zhongke Lianxun (Shenzhen) Co., Ltd was established in 2005. The company focuses on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. It leverages the technical expertise of renowned university network security institutes. The company specializes in providing data encryption and decryption solutions as well as drone defense solutions for industries such as wind power, national power, oil and gas, firefighting, public security, road and bridge construction, and emergency management agencies.




### Our Patents

Test Equipment

Our Advantages



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



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