

33dBm Backpack COFDM HDMI/CVBS Video Transmitter with AES Encryption and Low Latency

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet1241T
- Minimum Order Quantity: 1 piece
- Price: USD 3999~5999 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

- Modulation: COFDM
- Modulation Type: QPSK(4QAM), 16QAM, 64QAM
- Working Frequency: 300MHz-860MHz (Default 690-710MHz)
860MHz-2.7GHz For Customization
- Transmission Power: 33dBm (37dBm Optional)
- RF Bandwidth: 2-8MHz
- FEC: 1/2, 2/3, 3/4, 7/8
- Guard Interval: 1/4, 1/8, 1/16, 1/32
- Encryption: AES256 (User-defined Password)
- Latency: Low




More Images








Product Description

33dBm Backpack COFDM HDMI/CVBS Video Transmitter with AES Encryption and Low Latency

Product Description

The ZKManet1241T is a compact and portable, HD and stable image transmitting manpack transmitter. It utilizes COFDM

Our Product

modulation technology to capture and transmit high-quality images in real-time even in non-line-of-sight situations and during high-speed movement. The transmission process encrypts images and data, and it can be used in conjunction with the ZKManet1002R receiver. It is particularly suitable for use in complex environments with obstacles, making it ideal for security operations at major events, emergency rescue missions, and daily operations of public security and armed police forces.

Features

- * COFDM modulation and H.264 compression
- * HDMI and CVBS dual video inputs
- * Supports two-way voice intercom
- * Range up to 1.5-3km NLOS and 5-10km LOS
- * 60-100ms low link latency
- * Strong anti-interference ability
- * Manpack design for easy operation
- * Up to 5 hours battery life
- * Rugged aluminum alloy housing

Specifications

Model	ZKManet1241T	Brand	ZKMANET
RF Parameters	Frequency	Video: 300MHz-2.7GHz customizable; Audio: 145Mhz	
	Modulation	QPSK(4QAM)/16QAM/64QAM	
	Output Power	2W	
	Bandwidth	2-8MHz	
	Encryption	AES	
	Range	1.5-3km(NLOS); 5~10km(LOS)	
	RF Interface	N-F	
Video/Audio Parameters	Video Input	HD:HDMI SD:RCA	
	Video Modulation	HD:1080P,1080i,720P,720i SD:P/N	
	Video Compression	H.264	
	Audio Interface	K-headphone microphone interface	
Physical/Environment	Dimensions	220*120*45(mm)(L×W×H)(w/ battery)	
	Weight	1.3kg(w/ battery)	
	Working Temp	-20°C~+65°C	
Electronic Parameters	Power Supply	DC 12V	
	Battery Capacity	4500mAh	
	Power Consumption	<237dBm	

Dimensions

2W 10km HDMI CVBS Transmission Cofdm Video Data Transmitter

Panel Description

2W 10km HDMI CVBS Transmission Cofdm Video Data Transmitter

1. Battery Indicator
2. Power Input Interface
3. HDMI Input Interface
4. AV Input Interfaces - Audio Left, Audio Right and Video (CVB)
5. Data Interface (Reserved)
6. Power Switch Button
7. MIC Interface (Intercom)
8. RF Antenna Interface - N Female, for Video
9. Control Panel - 6 Digit LED 7-Segment Display
10. RF Antenna Interface - N Female, for Data

Application

2W 10km HDMI CVBS Transmission Cofdm Video Data Transmitter

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.

2W 10km HDMI CVBS Transmission Cofdm Video 2W 10km HDMI CVBS Transmission Cofdm Video 2W 10km HDMI CVBS Transmission

Our Patents

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R&D Equipments

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