Wi-Tek
Communication Solution

Wireless Long-Range Transmit for CCTV IP Camera

WI-CPE111-KIT | WI-CPE513P-KIT | WI-CPE900-KIT | WI-CPE523P | WI-CPE517 | WI-CPE521

Overview

Wireless Transmitter is equivalent to a network cable, transmitting network signals via wireless way. It uses wireless communication technology to transmit network data using air as a medium to carry out long-distance point-to-point or point to multi-point interconnection.

Wi-Tek Wireless Transmitter is specialized designed for rural Internet access, long distance wireless data transmission, wireless coverage extension and other industrial wireless solutions. It is widely used in various fields of communication.

Features

Wi-Tek Cloud Management

Wi-Tek Cloud quick installation and configuration provide reliable performance, visual management and remote access to enable companies to focus on growing their business.
(WI-CPE513P-KIT V3 and WI-CPE111-KIT V2 support)

Environmental Adaptability

Wiring is a difficulty in some application scenarios, such as elevator. The network cables for CCTV cameras suffer daily wear with the rises and descends between floors. Wi-Tek's CCTV wireless transmitter can solve this difficulty and ensure the stable operation of monitoring system.

Cost-Efficiency

Compared with wired cctv network, it saves cables and converters, reduces the working time, breaks
the 250meters limit of Ethernet cable. Wireless CCTV system is easy to maintain and add devices into existing system.

Professional Outdoor Design

Equipped with IP65 waterproof enclosure and high quality hardware design, it can work in various weather conditions, such as sunshine, rainfall or extremely low/high temperature environment.

Easy to Setup

No need software setting, once power up,auto-connect for PTP application. Its LED Display can show working status/channel and recognize each other automatically.

We Innovate, Take you Explore unKnown!

Specifications

HARDWARE FEATURES	WI-CPE111-KIT		WI-CPE513P-KIT		WI-CPE900-KIT	WI-CPE517	WI-CPE521
Hardware Version	V1	V2	V2	V3	V1	V1	V1
Interface	1 10/100BASE-TX Ethernet Interface		2 10/100BASE-TX Ethernet Interface		1 10/100/1000 PoE Interface	2 10/100BASE-TX Ethernet Interface	1 10/100BASE-TX Ethernet Interface
Power Supply	24V Passive PoE Adapter Included		48V PoE PoE Adapter Included	48V 802.3af/at PoE PoE Adapter Included	24V Passive PoE PoE Adapter Included	24V Passive PoE PoE Adapter Included	24V Passive PoE PoE Adapter Included
Power Consumption	4W		8W				
Package Dimension	265×215×60 mm	250×200×950 mm	340×220×95 mm	340×220×95 mm	430×430×140 mm	500×155×95 mm	645×105×85 mm
CPE Dimension	105 ×160 ×40 mm	165×90×37 mm	90×260×30 mm	90×260×30 mm	Diameter 400 mm	380×150×75 mm	555×75 mm
Gross Weight	0.8kg	1kg	1.6kg	1.6kg	2.4kg	1.55kg	1.55kg
Net Weight	0.45kg	0.5kg	0.8kg	0.8kg	1.4kg	0.9kg	0.75kg
Antenna Type H (Horizontal) V (Vertical)	Built-in 8dBi Dual-pol Antenna Beam Width: 60°(H-Pol)/15°(V-Pol)		Built-in 13dBi Dual-pol Antenna Beam Width: 60°(H-Pol)/15°(V-Pol)		Built-in 25dBi Dual-pol Antenna Beam Width: 8°(H-Pol) /8°(V-Pol)	Built-in 16dBi Dual-pol 150degree Sector Antenna Beam Width: 150°(H-Pol) /15°(V-Pol)	Built-in 12dBi Dual-pol 360degree OMNI Antenna Beam Width: 360°(H-Pol) /11°(V-Pol)
Protection	10KV Lightning Protection						
Enclosure	Outdoor UV Stabilized Plastic IP65 Waterproof Design						
WIRELESS FEATURES							
Wireless Standards	IEEE 802.11b/g/n		IEEE 802.11a/n		IEEE 802.11ac	IEEE 802.11a/n	IEEE 802.11a/n
Proprietary Protocol			CSMA/CA,TCP/IP,IPX/SPX,NetBEUI, DHCP			CSMA/CA,TCP/IP,IPX/SPX, NetBEUI, DHCP, TDMA	
Wireless Mode	AP, Client	Repeater/Basic Station/CPE/WISP	AP/Client	Repeater/Basic Station/CPE/WISP	AP, Client		
Wireless Speeds	Up to 300Mbps		Up to 300Mbps		Up to 900Mbps	Up to 300Mbps	Up to 300Mbps
Channel Width	20/40 MHz		20/40/80 MHz				
Frequency	2300-2700MHz	2412-2484MHz	5150-5825MHz		4920-6100MHz		
Transmission Power	20dBm(100mW)		27dBm(500mW)				
SOFTWARE FEATURES							
Security	WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP) Encryption, 64/128/152-bit WEP Encryption						
Services	Web Server, SNMP, SSH Server, Telnet , Ping Watchdog, DHCP, NAT, Bridging, Routing						
Utilities	Automatic Channel Selection Transmission Power Control Dynamic Frequency Selection (DFS) WDS Enable/Disable	Automatic Channel Selection Transmission Power Control	Automatic Channel Selection Transmission Power Control Dynamic Frequency Selection (DFS) WDS Enable/Disable	Automatic Channel Selection Transmission Power Control	Automatic Channel Selection Transmission Power Control Dynamic Frequency Selection (DFS) WDS Enable/Disable		
Distance Adjustment	Distance/ACK Timeout Setting						
WEB management	Yes						
Cloud Management	N/A	Yes	N/A	Yes	N/A		
System-level Optimizations	Optimized IGMP Snooping/Proxy for multicast applications, Hardware watch dog						
OTHERS							
Certification	CE						
Package Contents	2×CPES 2×PoE Adapters 2×Pole Mounting Kits 1×User Guide		2×CPES 2×PoE Adapters 2×UTP Cable 2×Pole Mounting Kits 1×User Guide		2×CPES 2×PoE Adapter 2×Pole Mounting Kit 1×User Guide	1×CPE 1×PoE Adapter 1×Pole Mounting Kit 1×User Guide	1×CPE 1×PoE Adapter 1× Pole Mounting Kit 1×User Guide
Environment	Working Temp: -40 ~ 70°C Storage Temp: -40 ~85°C Working Humidity: 10%~95% Non-condensing						

CE FC RoHS

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