

300Mbps Outdoor CPE

OVERVIEW

AirPro Air Connect2 is a 300 Mbps outdoor CPE/AP that supports TDMA. Air Connect 2 complies with IEEE 802.11b/g/n standard, features 12dBi dual polarized high gain antenna and supports PTP/PTMP distance up to 2000 meters.

Air Connect2 supports HI-MAX TDMA Technology (use polling technique to solve the hidden node and resource waste problem between the CPE and base station, provide low latency, high throughput in PTP/PTMP application likes IP camera, long range Wi-Fi Transmission), Gateway, Wireless AP, WISP, WDS operation mode for all wireless coverage.

It comes with ABS waterproof, dust proof and sunscreen shell, temperature adaptive, LED signal lights to show signal strength; additionally, it supports 24V passive PoE, easy to setup even with no power socket nearby, ideal for outdoor use.

Also, Air Connect2 features WDS switch button on the case, for switching the connection between WDS PTP/PTMP modes. Apart from this there is a reset button, zero configuration which saves human work and cost, makes it a professional outdoor wireless networking solution.



MAIN FEATURES

- 300Mbps Outdoor CPE
- 12dBi Panel Antenna.
- Seamlessly compatible with 802.11b/g/n devices.
- 1*10/100Mbps RJ45 Port, support 12~24V PoE
- 1*WDS Switch Button to do WDS connection.
- 1*DC Injector, 12V/1A
- 1*Reset Button

TECHNICAL SPECIFICATIONS

Hardware	
Chipset	Realtek RTL8197FNT
Wireless	802.11N, 2T2R 300M MIMO Technology
Memory	64MB RAM
Flash	8MB
Interface	1*10/100Mbps RJ45 Port, support 12~24V PoE 1*WDS Switch Button to do WDS connection 1*DC Injector, 12V/1A 1*Reset Button
Antenna	12dBi Panel Antenna, V: 60o L: 33o
LED Light	SYS, WIFI, Signal Strength
Size	176*95*40MM
Power	POE 24V/0.5A
RF Data	
RF Data	802.11b/g/n: 2.4~2.4835GHz Korea, Japan, ETSI, FCC, Debug
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK
Data Rate	300 Mbps
RF Power	11n: @MCS7:15±2DB, @MCS0:17±2DB. 11g: @54M:16±2DB, @6M:18±2DB. 11b: @11M:18±2DB, @1M:20±2DB.
Receive Sensitivity	11n: -65dbm@MCS7, -88dbm@MCS0. 11g: -70dbm@54Mbps, -88dbm@6Mbps. 11b: -80dbm@11Mbps, -94dbm@1Mbps
EVM	11n: ≤-28 DB 11g: ≤-25 DB - 11b: ≤ 10 DB
PPM	±20ppm
Firmware	
Operation Mode	Wireless AP, Gateway, WISP, Wireless Bridge, WDS
Protocol/Standard	IEEE 802.3(Ethernet) IEEE 802.3u(Fast Ethernet) IEEE 802.11b/g/n(2.4G WLAN)
Security	WEP Encryption-64/128/152 bit WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP using TKIP) Hide SSID
System Setting	Web-based configuration (HTTP/Telnet)
Firmware upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured
Log	Supports local logs, logs host, logs file export
Reset	Reset or factory defaults
Backup	Restore settings & configuration of the device to local file
Physical Property	
Temperature	Working: -40°C~55°C Storage: -40°C to 70°C
Humidity	5%~95% (typical)
Package: AIR CONNECT2 PoE Adapter User Manual LAN Cable	

WORKING DIAGRAM

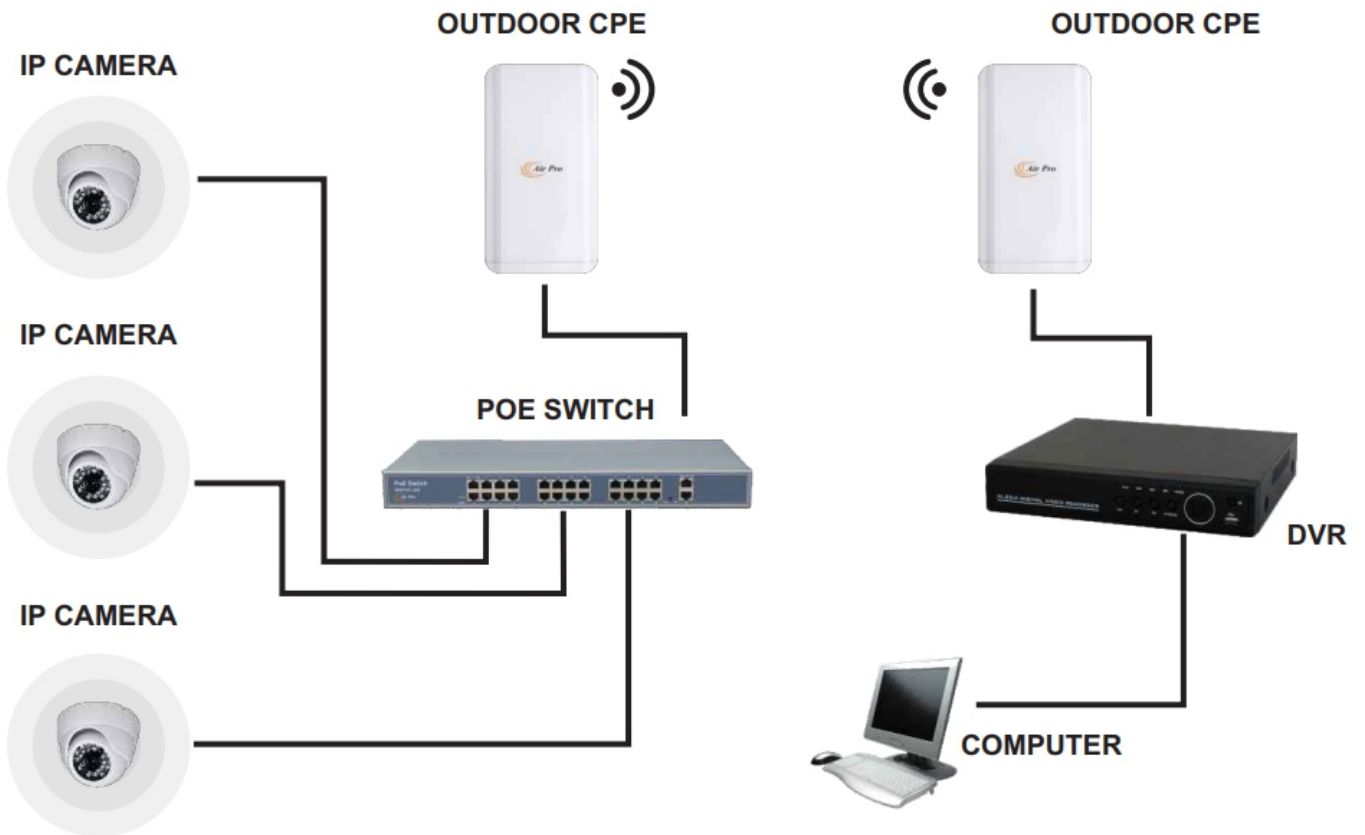
1. PTP WORKING DIAGRAM OF OUTDOOR CPE WORK IN ELEVATOR

Deploy Way 1

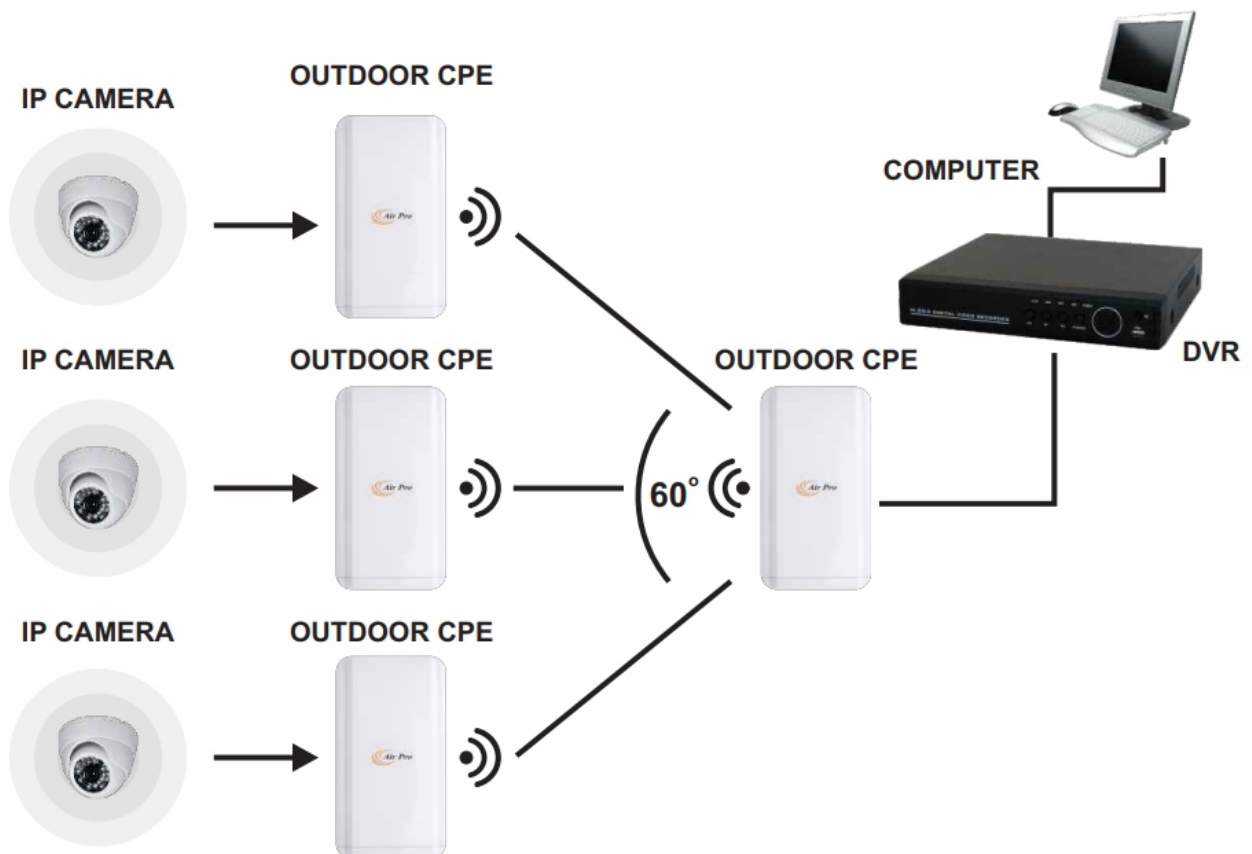
Deploy Way 2



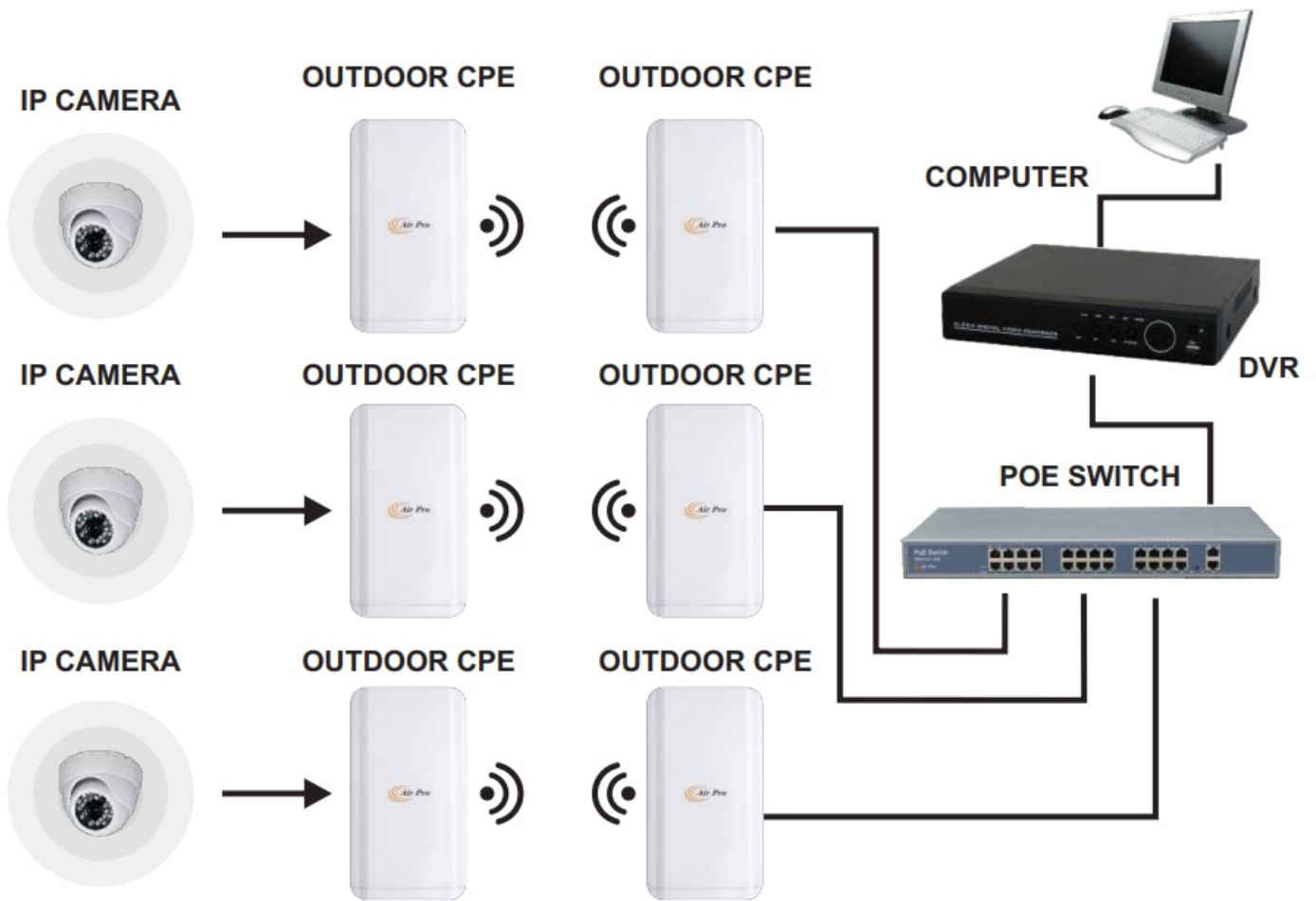
2. PTP WORKING DIAGRAM OF OUTDOOR CPE WORK WITH MULTIPLE IP CAMERA



3. PTP WORKING DIAGRAM OF OUTDOOR CPE WORK WITH IP CAMERA



4. PTP WORKING DIAGRAM OF OUTDOOR CPE WORK WITH MULTIPLE IP CAMERA



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