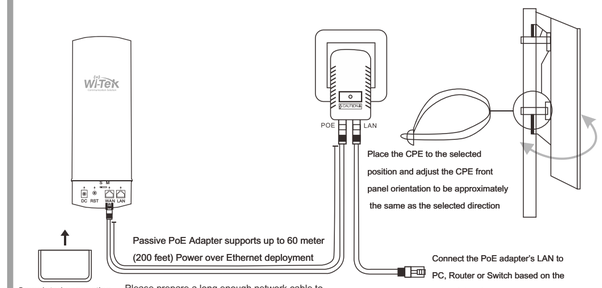
折位线 | 折位线 | 折位线 |

折位线 —

Quickly Installation Guide

Outdoor Wireless Transmit CPE for CCTV

1 Device Installation

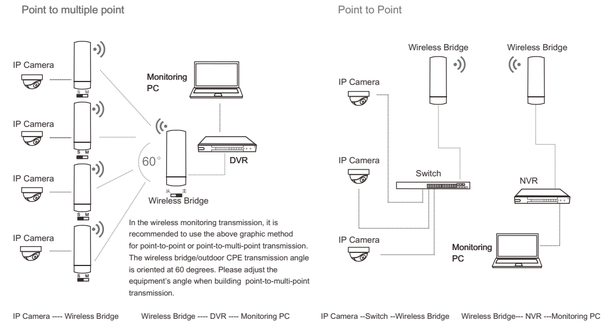


Working Environment:

≤ 2000m Only applicable to areas below 2000 meters above sea level

Only applicable to non-tropical weather conditions

2 Wireless Connection Topology



3.Bridge Ways

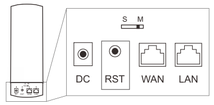
(*Two bridge ways: Paired Key Bridge & LED Display Bridge, choose the way based on request.)

Quickly Installation Guide

1.Paired Key Bridge

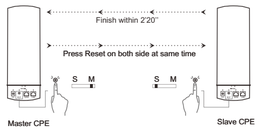
1.Configure Master CPE

Set CPE in Master side, choose auto channel make the master CPE in best channel, 4 signal strength LED blinking at same time. After configure finish, SYS LED blinking slowly, and 4 signal strength LED blinking by turns.



2.PTP Paired Key Bridge

Press Reset Button 1 second both on Master and Slave CPE, two CPE will connect each other.
Note: Paired Key Bridge will be finished in 2 minutes 20 seconds.



2.LED Display Bridge

1.Default working mode is Slave CPE or Client, IP: 192.168.188.253.

2.Set one CPE to Master CPE or Host, in LED Display will start with "H":

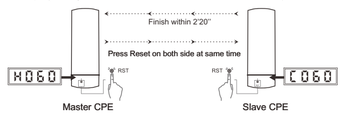
Note: F is function and confirm button;
S is setting button.
F (Press F button to choose the function need to set) – S (Press S button to set the value like operation mode, channel) – F (Press F button again to confirm the value, success after blinking 5 seconds)

3.Master CPE channel must be same as Slave CPE:

H--- Master CPE
060---channel 60

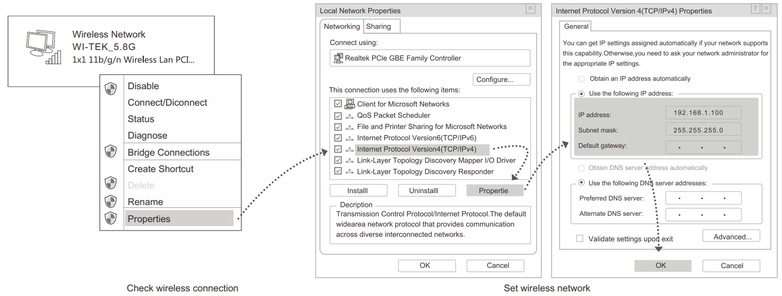
C--- Slave CPE
060--- channel 60

4.Press Reset 1 second on both side, the two outdoor devices will start bridging:
(Noted: LED Display Bridge will be finished in 2 minutes 20 seconds.)



Web Configuration

1.PC configuration if PC connect CPE by wireless



Check wireless connection

Set wireless network

After IP address configuration, connect to CPE's wireless SSID: WI-TEK_5.8G, and input password (Default Password: 88888888)

正面

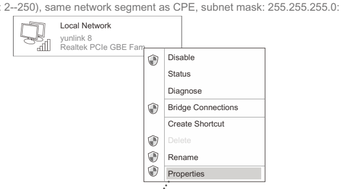
尺寸：420X297mm
双面印刷 有折位
80g双胶书纸

折位线 | 折位线 | 折位线 |

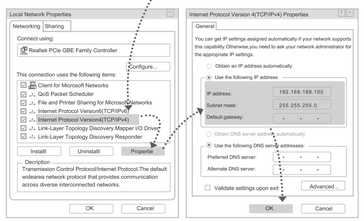
折位线 —

2.PC configuration if PC connect CPE wired

If connect PC and CPE wired, Set PC local network IP to 192.168.1.x (x: 2--250), same network segment as CPE, subnet mask: 255.255.255.0:



Check the local network connection

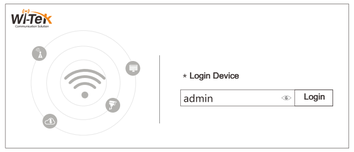


Set Static IP address for PC

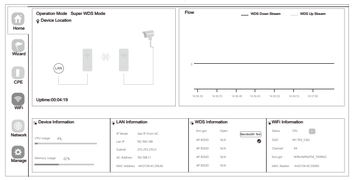
3. Login Web Configuration

Use IE browser to access http://192.168.1.88, pop up the login page shown below,input the login password: admin, enter into the home page.

Login Web Interface



Homepage

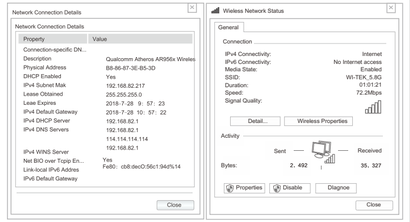


Setup Wizard

In this mode, the wireless interface can be connected with other wireless AP through WDS, and the wireless interface and cable interface. Without NAT, firewall and all network related functions.

- Gateway mode
  Router function, the WAN port is connected to the modem (ADSL modem or fiber modem), transmit Wi-Fi by PPPoE, dynamic IP and static IP.
- Repeat mode
  Bridge the exist wireless signal then transmit Wi-Fi for more range
- WISP mode
  The WISP client connect to ISP wireless base station by wireless, sharing the local area network by PPPoE, Dynamic IP and Static IP.
- AP mode
  In this mode, NAT, DHCP, firewall, and all WAN-related functions are turned off. All wireless and wired interfaces are bridged together, regardless of LAN and WAN
- Super WDS mode
  In this mode, it usually refers to the point to point connection. The wireless AP bridge and communicate with CPE only. AP and CPE connected by SSID scan or MAC Banding. Then the encryption mode of AP and CPE must be consistent.
- Configuration method
  According to the quickly setup wizard of each mode shown in the above figure, set the parameters andoptions based on user needs, click next until the setting of each step is completed

4. Configure Wireless



a. Use a laptop or mobile phone to test the wireless network Internet, click on the wireless network, select the wireless SSID, input the password to test whether PC or mobile phone can be online.

b. Check the wireless network connection status, signal strength and speed, transmission and data, click network connection details to see if the IP address and DNS server address are correctly obtained, confirm device is working properly .

尺寸：420X297mm
双面印刷 有折位
80g双胶书纸

Wireless Transmitter for CCTV Network

Product	WI-CPE111-KIT	WI-CPE513P-KIT	WI-CPE511-KIT	WI-CPE515-KIT	WI-CPE518-KIT	WI-CPE900-KIT	WI-CPE523P	WI-CPE517	WI-CPE521
Wireless Speed	300Mbps	300Mbps	300Mbps	300Mbps	300Mbps	900Mbps	300Mbps	300Mbps	300Mbps
Transmit Range	2km	3km	5km	10km	15km	10km	5km	5km	2km
Wireless Frequency	2.3-2.7Ghz	5.1-5.8Ghz	4.7-6.0Ghz	4.7-6.0Ghz	4.7-6.0Ghz	4.7-6.0Ghz	5.1-5.8Ghz	4.7-6.0Ghz	4.7-6.0Ghz
PoE Support	24V 100Mbps	48V 100Mbps	24V 100Mbps	24V 100Mbps	24V 100Mbps	24V Gigabit	48V 100Mbps	24V 100Mbps	24V 100Mbps
Camera Qty Support	16PCS	20PCS	20PCS	30PCS	30PCS	160PCS	20PCS	30PCS	30PCS
Plug and Play	No need software setting,once power up, auto-connect for PTP application						Config via WEB	Config via WEB	Config via WEB
PoE Out Port	No	1	No	No	No	No	3	No	No
Antenna Angle	60°	60°	60°	60°	8°	8°	60°	150°	360°

Trouble Shooting

Trouble	Reason	Solution
Packet Latency	1.Wireless Interference 2.Distance is too long,or there are some bar between them 3.CPE's angle in wrong direction, weak signal	1.Use Wi-Fi analysis to choose the best channel, or change to 5G CPE 2.CPE should be in normal distance,and avoid bar 3.Adjust the angle of CPE according to signal strength
Wrong password	1.Forget password 2.Input wrong password 3.Too much cookie	1.Press reset button in 10 seconds to reset device, the default password is admin 2.Re-input the password 3.Clear cookie,run arp -d to clear MAC table.
Can not login WEB	1.Local IP is not in the same network segment of CPE 2.IP is taken by other devices 3.LAN Connection or Ethernet cable has problem 4.Too much cookie, MAC address haven't update	1.Ping 192.168.1.88 to see connection status 2.Stop other devices or change to another IP 3.Check LAN Connection and Ethernet cable 4.Clear cookie,run arp -d to clear MAC address
System LED light off	1.PoE power supply is not working 2.Some problem in CPE's PoE port 3.Ethernet cable is loose, RJ45 port is wrong Power current/voltage lower or wrong	1.Check if POE Adapter or POE switch work 2.Check if POE port of CPE is OK 3.Check if Ethernet cable is loose,if Ethernet cable plugged in to POE port 4.Check if voltage is normal ,if socket has problem, if input voltage of POE adapter is normal
Low transmission Rate	1.Packet Latency 2.Ethernet cable circuit 3.Network virus attack 4.Too much access users	1.Adjust the distance, angle and channel to decrease latency 2.Check if there is circuit in the network 3.Check if port isolated to avoid network virus and broadcast storm 4.Decrease the access users.
Device always dead	1.Static electricity 2.Running time too long 3.Lightning stroke	1.Make CPE or POE adapter need ground connection 2.Running time over 7 days, reboot it 3.After lightning,device POE port broken or unstable, better to deploy lightning conductor .

反面