DS-3WF5000-EI-5ACG/3P
5GHz 867Mbps 5KM Wireless Bridge Kit

The wireless bridge can be applied in industries, such as wireless video security, railway, transportation, power and other industries, wireless video/data transmission, wireless coverage, carrier wireless backbone network construction, Wi-Fi wireless coverage, rural information construction, and wireless network coverage. The long-distance transmission of the device can guarantee multi-channel HD video transmission.
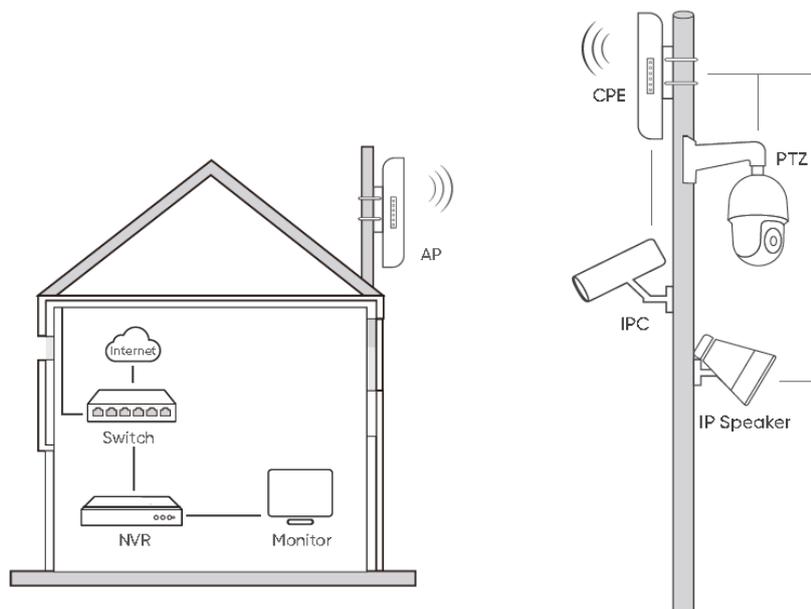
- Up to 5 km wireless transmission distance

- 867 Mbps 802.11ac wireless bridge

- Built-in 12 dBi 2 x 2 MIMO antenna

- Visualized topology management

- Standard PoE Input & Output
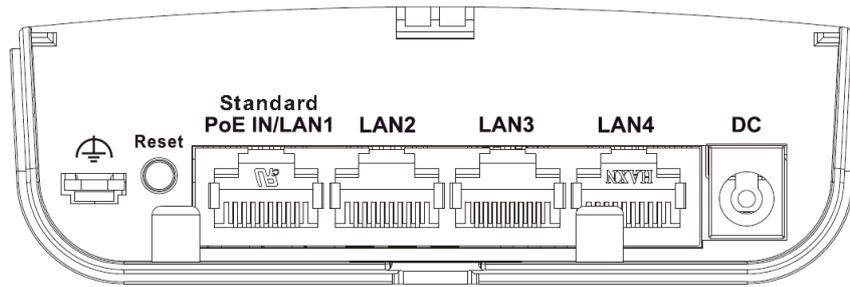
- Plug and Play

▪ Specification

General	
Product Dimensions (W × H × D)	103.6mm × 58.3mm × 187mm
Package Dimensions (W × H × D)	326 mm × 256 mm × 96 mm (12.84" × 10.08" × 3.78")
Net Weight	0.330 kg (0.73 lb) per device
Gross Weight	1.887 kg (4.16 lb)
Packing List	Wireless Bridge × 2,PoE Power Supply × 2,AC Cord × 2,Quick Start Guide ×1,Regulatory Compliance and Safety Information × 1,Binding Tape × 4
Packing Method	Packing in pairs
Working Temperature	-30 ℃ to 60 ℃ (-22 °F to 140 °F)
Working Humidity	5% to 95% (no condensation)
Storage Temperature	-40 ℃ to 80 ℃ (-40 °F to 176 °F)
Storage Humidity	5% to 95% (no condensation)
Installation Mode	Pole Mounting
Ingress Protection	IP55
Power Consumption	5 W for typical (1-ch 2MP IPC), Max. 6.2 W
Wireless Parameter	
Max. Transmission Rate of Air Interface	≤ 867 Mbps
Wireless Standard	IEEE 802.11/a/n/ac
Working Frequency Band	5150 MHz ~ 5250 MHz,5250 MHz~ 5350 MHz,5470 MHz~ 5725 MHz,5725 MHz~ 5825 MHz
Antenna Gain	12 dBi
Antenna Angle	(H) Beamwidth [3 dB] 35° (V) Beamwidth [3 dB] 35°
Transmitting Power	27 dBm @11ac 80MHz MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-88 ±2dBm@AC80-MCS0
Throughput Rate	PTP:270 Mbps/1 KM(AC80), 220 Mbps/3 KM(AC80), 170 Mbps/5 KM(AC80); PTMP(1 to 8): 100 Mbps/5KM(AC80)
PoE Power Supply	
PoE Port	AP: LAN1 802.3af/at PoE IN; CPE: LAN1 passive PoE IN, LAN2~4 802.3 af PoE OUT
Max. Port Power	28 W
PoE Power Budget	40 W
PoE Distance	100 m
Hardware Parameter	
Network Interface	4 × 10/100/1000 Mbps RJ45 ports
LED Indicator	Power indicator,LAN indicator,Signal intensity indicator
Reset	Hardware resetting button
Power Supply	48V PoE/12~24V DC;Check the physical interface image below for more details.
Software Function	
Application Function	IFM,IPM,DFS,TPC
Channel Width	20/40/80 MHz
Channel Selection	Auto/manual selection
Security Mode	WPA2-PSK
Security Mechanism	Wireless network name hidden

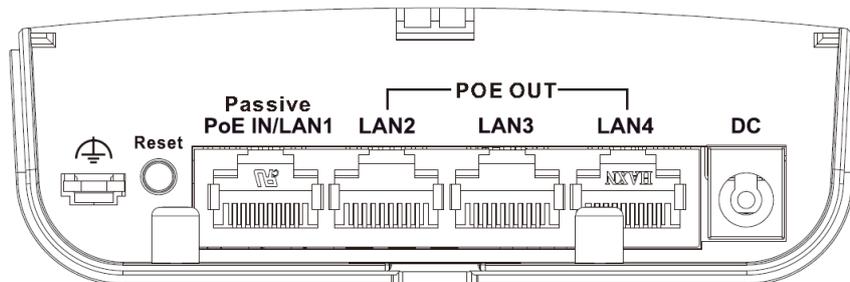| Network Protocol	NTP (network time synchronization),SADP (auto search for IP address), HTTPS/HTTP (web management),SSH (debugging)
Management Method	HCP,Web,iVMS-4200,HPP
System Log	Syslog,Control center information
Upgrade	Web,iVMS-4200,HCP,HPP
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Reboot device 2. Restore device 3. Display the topology information 4. Display the connection status between AP and CPEs, including signal intensity, background noise, sending & receiving rate 5. Configure wireless settings, including working mode, SSID, password, channel, channel bandwidth, transmitting power 6. Bridge alignment 7. Spectrum scanning 8. PoE output management
Approval	
EMC	CE-EMC(EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130-4, EN 55035)
Safety	CB (IEC 62368-1),CE-LVD (EN 62368-1)
Chemistry	CE-RoHS (2011/65/EU),WEEE (2012/19/EU),Reach (Regulation (EC) No.1907/2006)
Radio	EN 301 893,EN 300 440,EN 301 489-3,EN 301 489-17,EN 301 489-1, EN IEC 62311, EN 61000-3-3, EN IEC 61000-3-2

▪ Typical Application

▪ Physical Interface

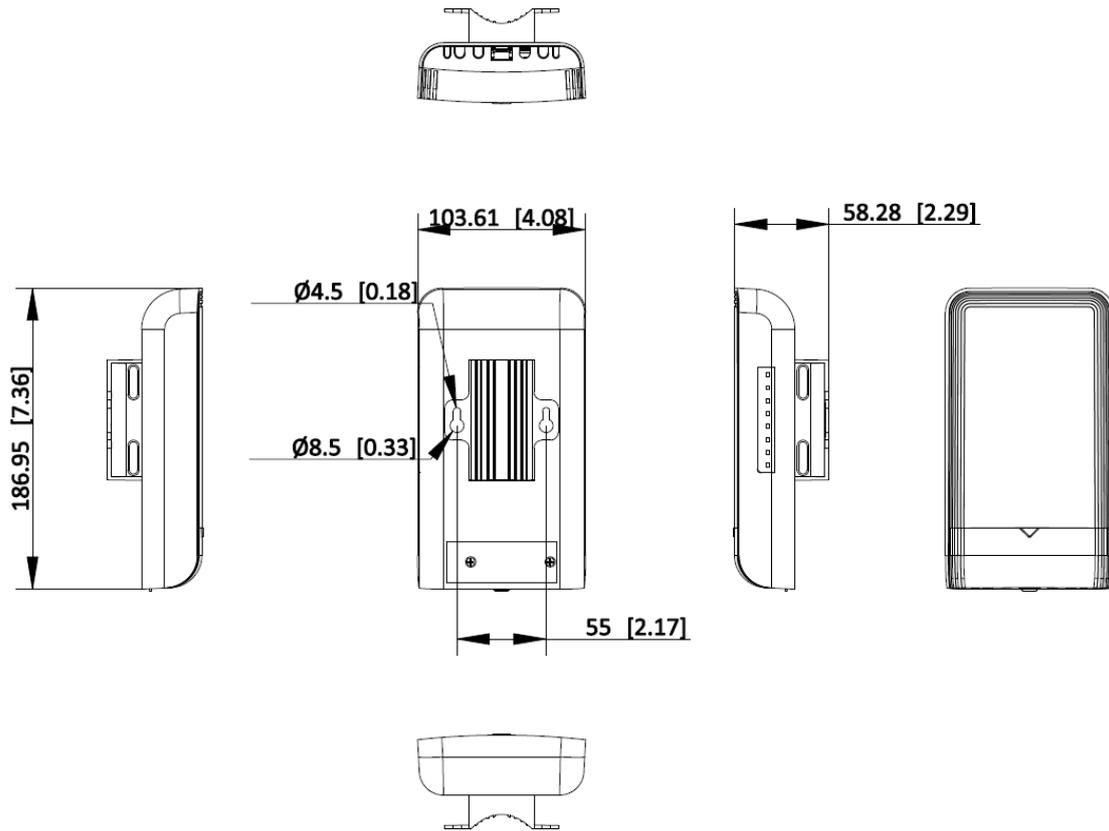| AP Interface/Button	Description
Grounding terminal	Connect ground wire to discharge static electricity and protect equipment from lightning or current fluctuations.
Reset	Long press for 4 seconds to restore to factory settings.
LAN1(Standard PoE IN)	The 10/100/1000 Mbps adaptive RJ45 port, also can be used as a standard PoE input port.
LAN2/LAN3/LAN4	The 10/100/1000 Mbps adaptive RJ45 port.
DC	Support DC 12~24V power supply.PoE OUT is not available when the device is powered by DC port.

CPE Interface/Button	Description
Grounding terminal	Connect ground wire to discharge static electricity and protect equipment from lightning or current fluctuations.
Reset	Long press for 4 seconds to restore to factory settings.
LAN1(Passive PoE IN)	The 10/100/1000 Mbps adaptive RJ45 port, also can be used as a passive PoE input port.
LAN2/LAN3/LAN4(Standard PoE OUT)	The 10/100/1000 Mbps adaptive RJ45 port, also can be used as a standard PoE output port.
DC	Support DC 12~24V power supply.PoE OUT is not available when the device is powered by DC port.

▪ Available Model

DS-3WF5000-EI-5ACG/3P

DS-3WF5000-EI-5ACG/3P-ST

DS-3WF5000-EI-5ACG/3P-AP

▪ Dimension

103.61 [4.08]

58.28 [2.29]

Ø4.5 [0.18]

186.95 [7.36]

Ø8.5 [0.33]

55 [2.17]

See Far, Go Further

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