

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.

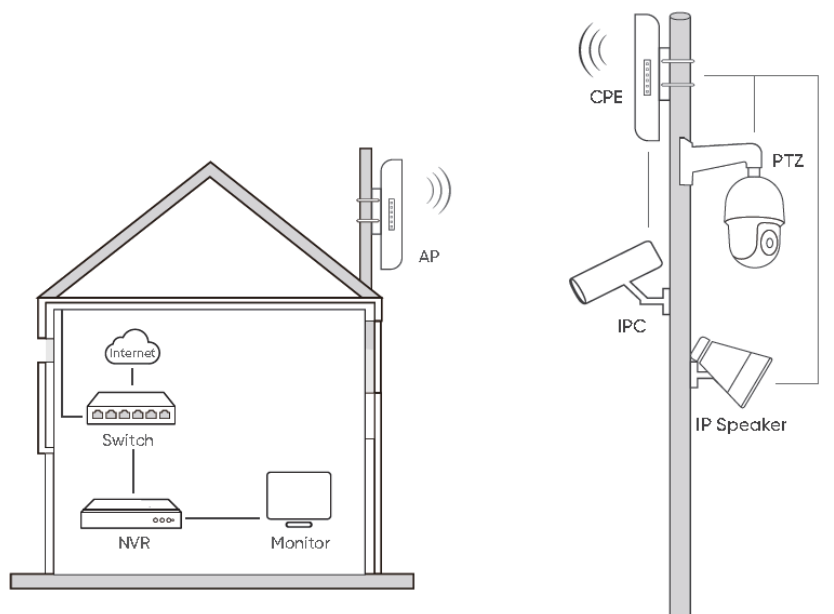
- Up to 5 km wireless transmission distance
- 867 Mbps 802.11ac wireless bridge
- Built-in 12 dBi 2 x 2 MIMO antenna
- Visualized topology management
- Standard PoE Input & Output
- Plug and Play

▪ Specification

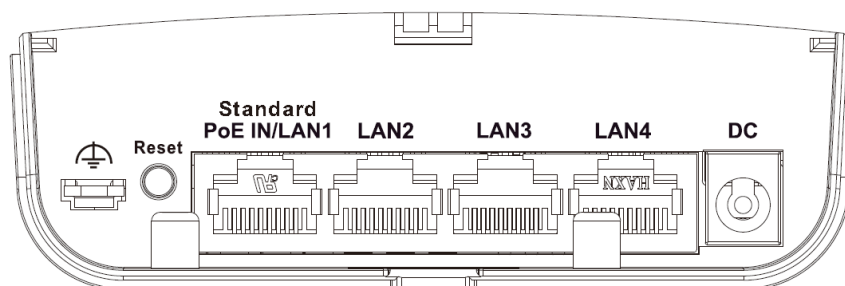
General	
Product Dimensions (W × H × D)	103.6mm × 58.3mm × 187mm
Package Dimensions (W × H × D)	326 mm × 256 mm × 96 mm (12.84" × 10.08" × 3.78")
Net Weight	0.330 kg (0.73 lb) per device
Gross Weight	1.887 kg (4.16 lb)
Packing List	Wireless Bridge × 2, PoE Power Supply × 2, AC Cord × 2, Quick Start Guide × 1, Regulatory Compliance and Safety Information × 1, Binding Tape × 4
Packing Method	Packing in pairs
Working Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Working Humidity	5% to 95% (no condensation)
Storage Temperature	-40 °C to 80 °C (-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 55032:2015+A11: 2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1: 2019, EN 50130-4:2011+A1: 2014, EN 55035:2017+A11: 2020),IC (ICES-003: Issue 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1:2014 (Second Edition)), CE-LVD (EN 62368-1:2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU),WEEE (2012/19/EU),Reach (Regulation (EC) No.1907/2006)
Radio	EN 301 893,EN 300 440,EN 62311,EN 301 489-3,EN 301 489-17

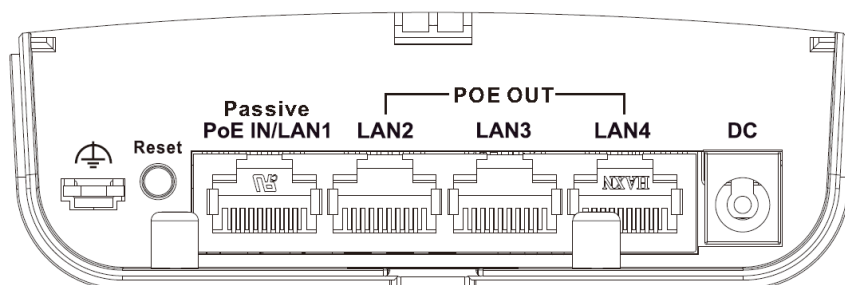
▪ Typical Application



Physical Interface

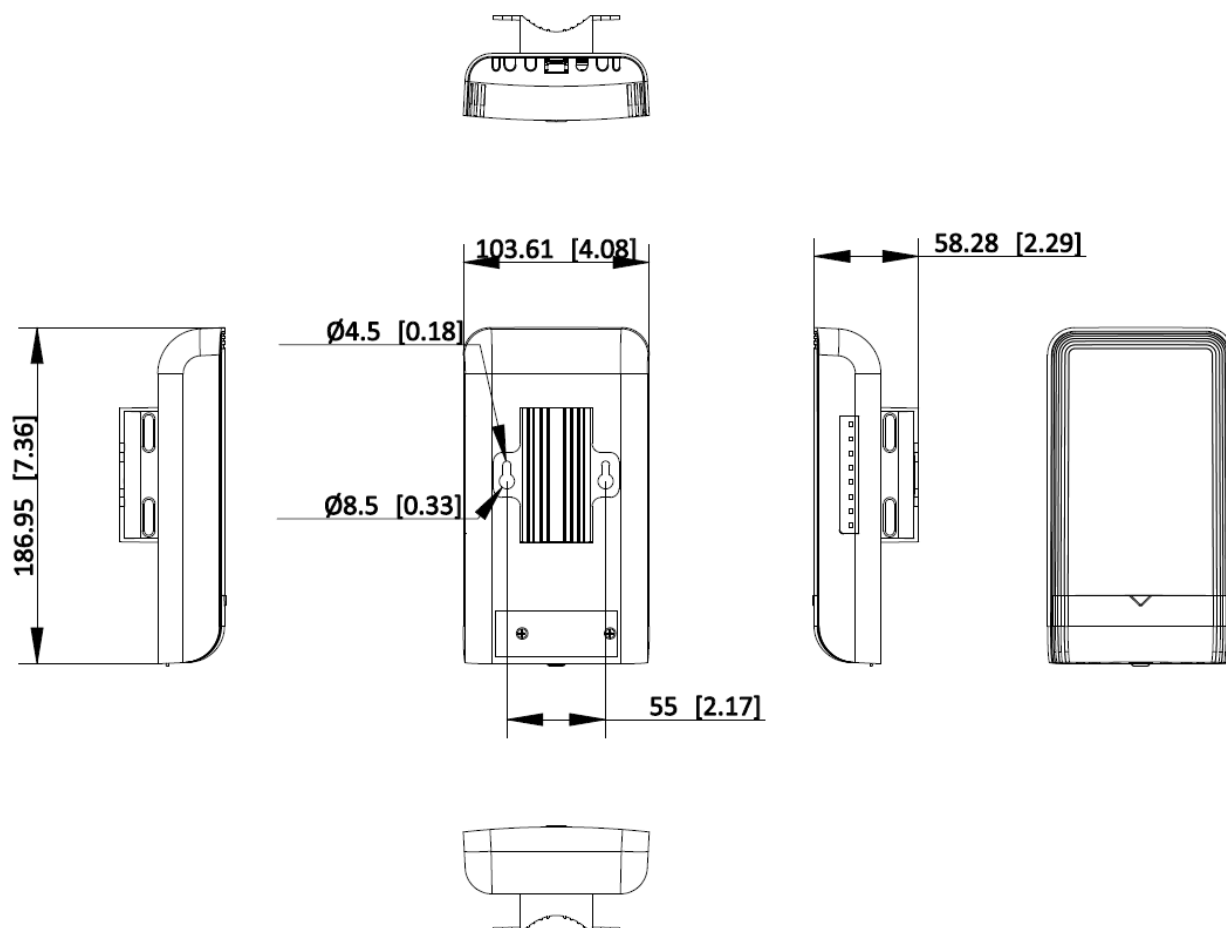


AP Interface/Button	Description
Grounding terminal	Connect ground wire to discharge static electricity and protect equipment from lightning or current fluctuations.
Reset	Long press for 4 seconds to restore to factory settings.
LAN1(Standard PoE IN)	The 10/100/1000 Mbps adaptive RJ45 port, also can be 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.

▪ Dimension



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