

**DS-3WF5000-SI-5ACG/2P**  
**5GHz 867Mbps 5KM Wireless Bridge Kit**



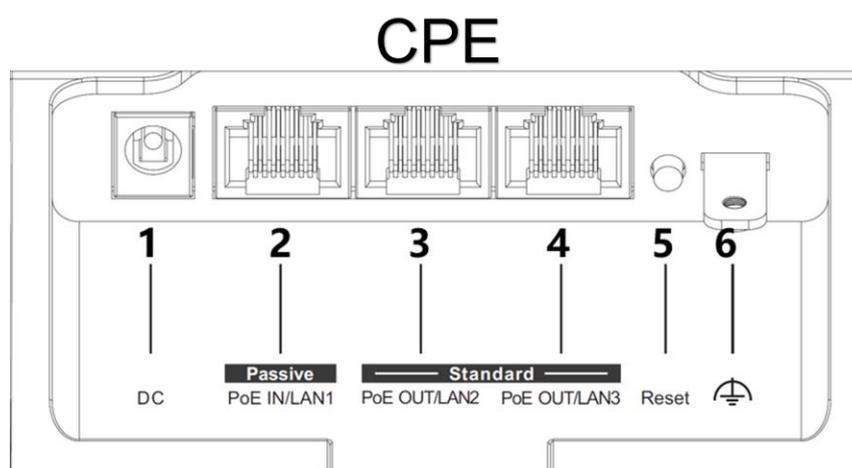
- Up to 5 km wireless transmission distance
- 867 Mbps 802.11ac wireless bridge
- Built-in 16 dBi 2 x 2 MIMO antenna
- Visualized topology management
- Standard PoE Input & Output
- Plug and Play
- Easy adjustment with universal joint bracket

## ▪ Specification

General	
Product Dimensions (W × H × D)	134.21 mm × 235.00 mm × 58.73 mm (5.28" × 9.25" × 2.31")
Package Dimensions (W × H × D)	341 mm × 360 mm × 100 mm (13.43" × 14.17" × 3.94")
Net Weight	0.54 kg (1.19 lb) per device
Gross Weight	2.76 kg (6.08 lb)
Packing List	Wireless Bridge x 2, PoE Adapter (48.0V, 1.0A) x 2, Power Cord x 2, Universal Joint Nut x 2, Universal Joint x 2, Mounting Bracket x 2, Screw Pack x 2, Hose Clamp x 2, Quick Start Guide x 1, Regulatory Compliance and Safety Information x 1
Packing Method	Packing in pairs
Working Temperature	-30 °C to 65 °C (-22 °F to 149 °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	Wall Mounting, Pole Mounting
Ingress Protection	IP55
Power Consumption	3.5 W for typical (1-ch 2MP IPC), Max. 7.7 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	16 dBi
Antenna Angle	(H) Beamwidth [3 dB] 32° (V), Beamwidth [3 dB] 17°
Transmitting Power	29 dBm @11ac 80MHz MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-88 ±2dBm@AC80-MCS0
Throughput Rate	PTP: 290 Mbps/1 KM(AC80), 270 Mbps/3 KM(AC80), 250 Mbps/5 KM(AC80); PTMP(1 to 8): 150 Mbps/5KM(AC80)
PoE Power Supply	
PoE Port	AP: LAN1 802.3af/at PoE IN; CPE: LAN1 passive PoE IN, LAN2 802.3af PoE OUT, LAN3 802.3af PoE OUT
Max. Port Power	28 W
PoE Power Budget	40 W
PoE Distance	100 m
Hardware Parameter	
Network Interface	3 × 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

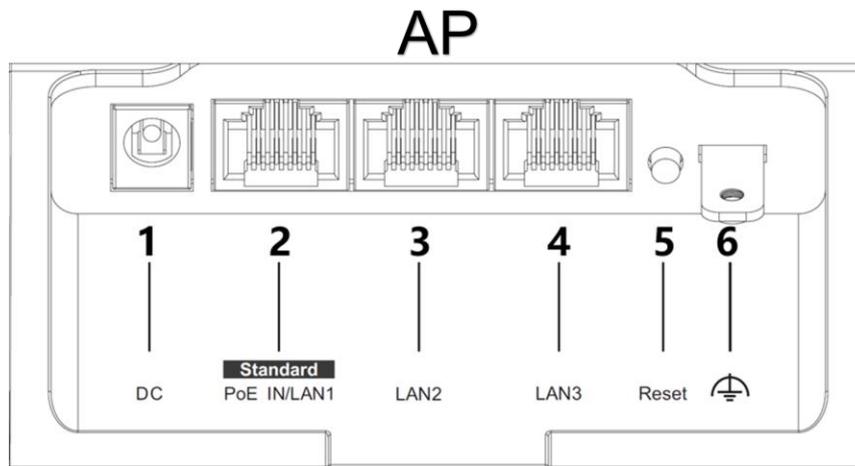
Security Mechanism	Wireless network name hidden
Network Protocol	NTP (network time synchronization),SADP (auto search for IP address), HTTPS/HTTP (web management),SSH (debugging)
Management Method	HCP,Web,iVMS-4200,HPP
System Log	Syslog,Control center information
Upgrade	Web,iVMS-4200,HCP,HPP
HPP	Support 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
<b>Approval</b>	
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 61000-3-3, EN IEC 61000-3-2, EN IEC 62311

## Physical Interface



No.	Interface/Button	Description
1	DC	Support DC 12~24V power supply.PoE OUT is not available when the device is powered by DC port.
2	Passive PoE IN/LAN 1	The 10/100/1000 Mbps adaptive RJ45 port, also can be used as a passive PoE input port.
3	Standard PoE OUT/LAN 2	The 10/100/1000 Mbps adaptive RJ45

		port, also can be used as a standard PoE output port.
4	Standard PoE OUT/LAN 3	The 10/100/1000 Mbps adaptive RJ45 port, also can be used as a standard PoE output port.
5	Reset	Long press for 4 seconds to restore to factory settings.
6	Grounding terminal	Connect ground wire to discharge static electricity and protect equipment from lightning or current fluctuations.

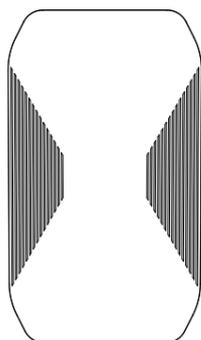
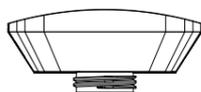
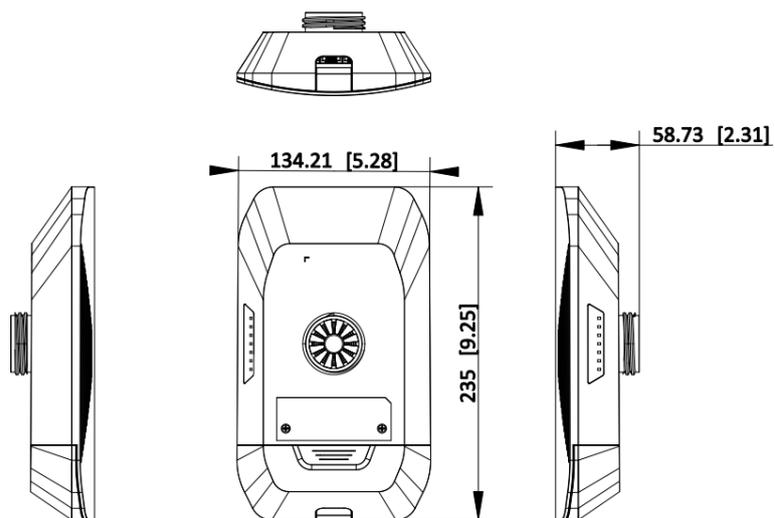


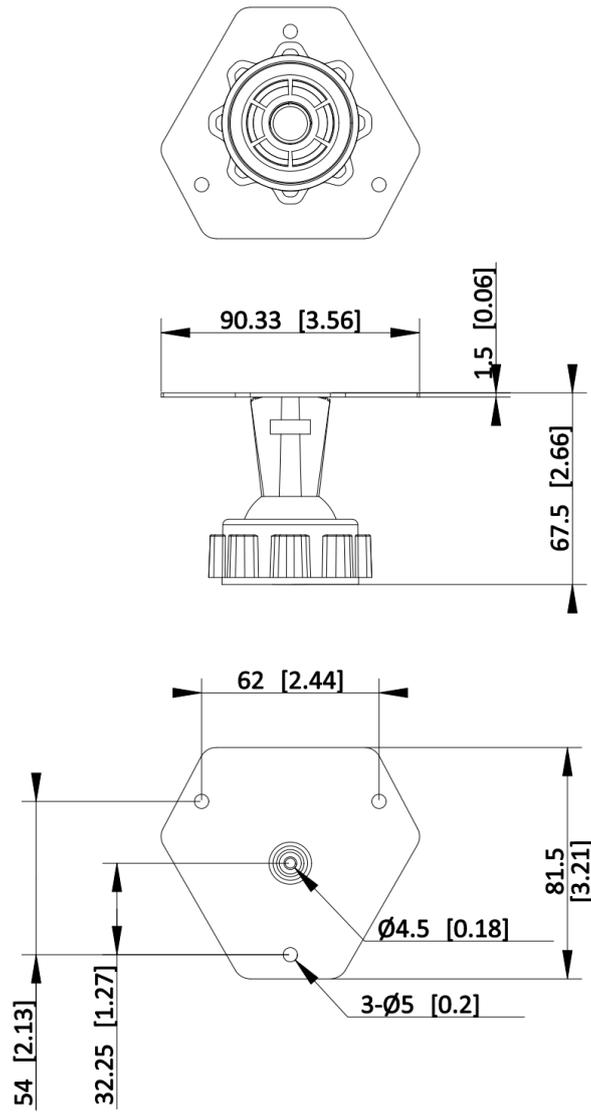
No.	Interface/Button	Description
1	DC	Support DC 12~24V power supply. PoE OUT is not available when the device is powered by DC port.
2	Standard PoE IN/LAN 1	The 10/100/1000 Mbps adaptive RJ45 port, also can be used as a standard PoE input port.
3	LAN2	The 10/100/1000 Mbps adaptive RJ45 port.
4	LAN3	The 10/100/1000 Mbps adaptive RJ45 port.
5	Reset	Long press for 4 seconds to restore to factory settings.
6	Connect ground wire to discharge static electricity and protect equipment from lightning or current fluctuations.	Connect ground wire to discharge static electricity and protect equipment from lightning or current fluctuations.

▪ **Available Model**

- DS-3WF5000-SI-5ACG/2P
- DS-3WF5000-SI-5ACG/2P-AP
- DS-3WF5000-SI-5ACG/2P-ST

▪ **Dimension**





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