

DS-3WF03C-5AC/O **5GHz 867Mbps 15KM Wireless Bridge**



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.

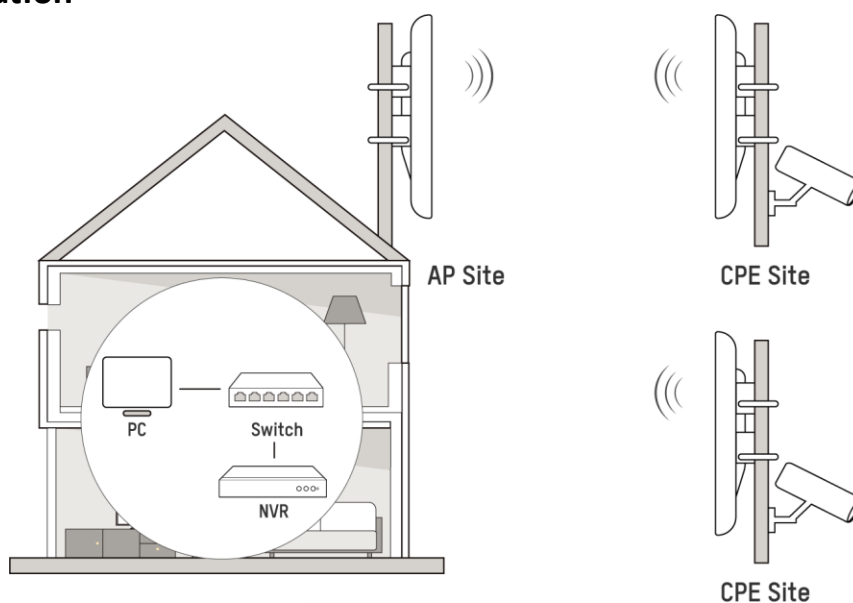
- Up to 15 km wireless transmission distance
- All gigabit LAN ports
- TDMA supported
- Quick match through DIP switch
- Visualized topology management

▪ Specification

General	
Product Dimensions (W × H × D)	90.8 mm × 187.87 mm × 57.87 mm (3.58" × 7.4" × 2.28")
Package Dimensions (W × H × D)	132 mm × 228 mm × 91 mm (5.19" × 8.97" × 3.58")
Net Weight	0.307 kg (0.677 lb)
Gross Weight	0.807 kg (1.779 lb)
Packing List	Wireless Bridge × 1, Power Adapter (12 VDC, 1 A) × 1, Binding Tape × 2, 10/100/1000 Mbps PoE Injector × 1, Quick Start Guide × 1, Regulatory Compliance and Safety Information × 1
Packing Method	Single unit packing
Working Temperature	-30 °C to 70 °C (-22 °F to 158 °F)
Working Humidity	5% to 95% (no condensation)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Storage Humidity	5% to 95% (no condensation)
Installation Mode	Pole Mounting
Ingress Protection	IP55
Power Consumption	3 W for typical (1-ch 2MP IPC), Max. 7.5 W
Wireless Parameter	
Wireless Standard	IEEE 802.11/a/n/ac
Max. Transmission Rate of Air Interface	≤ 867 Mbps
Working Frequency Band	5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz, 5470 MHz ~ 5725 MHz, 5725 MHz ~ 5850 MHz, (Note: Available channel may vary with local regulations.)
Antenna Gain	12 dBi
Antenna Angle	(H) Beamwidth [3 dB] 35°, (V) Beamwidth [3 dB] 35°
Transmitting Power	30 dBm @11ac MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-86±2dBm@AC80-MCS0
Throughput Rate	PTP: 230 Mbps/1 KM(AC80), 200 Mbps/5 KM(AC80), 20 Mbps/15 KM(AC80), PTMP(1 to 8): 80 Mbps/5 KM(AC80)
Hardware Parameter	
Network Interface	2 × 1000 Mbps RJ45 ports
LED Indicator	Power indicator, LAN indicator, Signal intensity indicator
Reset	Hardware resetting button
Power Supply	12-24 VDC/1 A Passive PoE
Software Function	
Application Function	TDMA, DFS, TPC, IFM, IPM
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

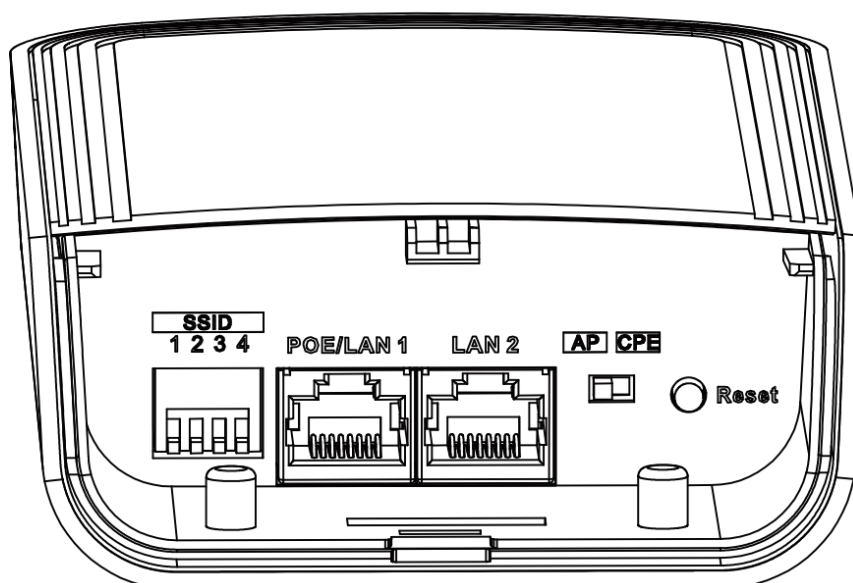
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Reboot device 2. Restore device 3. Display the topology information 4. Display the connection status between AP and CPEs, including signal intensity, background noise, sending & receiving rate 5. Configure wireless settings, including working mode, SSID, password, channel, channel bandwidth, transmitting power 6. Bridge alignment 7. Spectrum scanning
Approval	
EMC	CE-EMC(EN 55032, EN 50130-4, EN 55035, EN IEC 61000-3-2, EN 61000-3-3), IC(ICES-003, Issue 7)
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

▪ Typical Application



▪ Physical Interface

DS-3WF03C-5AC/O V3



Interface/Button	Description
SSID DIP Switch	4-character SSID to realize 16 kinds of matching ways by switching up or down. The CPE will connect to the AP when its SSID matches the AP's.
PoE/LAN1	The 10/100/1000 Mbps adaptive RJ45 port, also can be used as a passive PoE input port.
LAN2	The 10/100/1000 Mbps adaptive RJ45 port.
AP/CPE DIP Switch	Switch left or right to set the device as AP or CPE.
Reset	Long press for 4 sec to restore to factory settings.

▪ Available Model

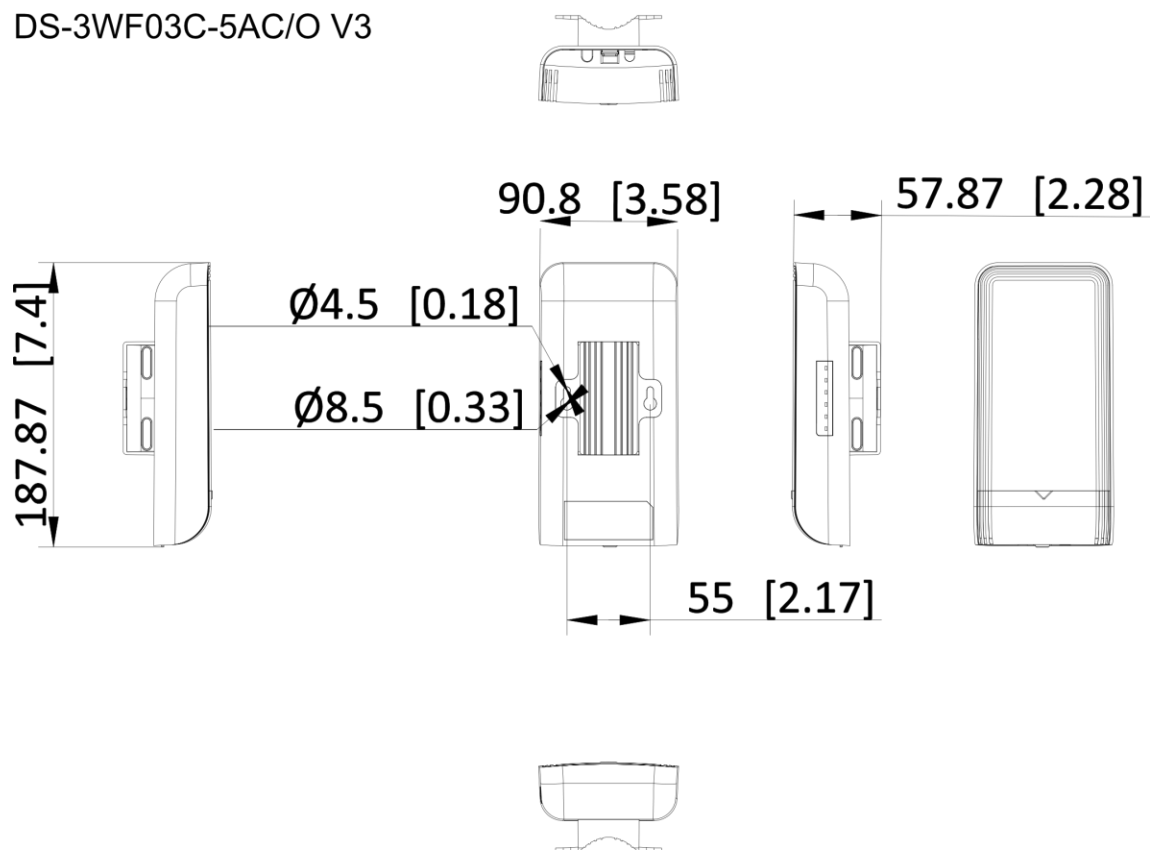
DS-3WF03C-5AC/OV3

DS-3WF03C-5AC/O

DS-3WF03C-5AC/OV2

▪ Dimension

DS-3WF03C-5AC/O V3



Unit: mm [inch]

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