DS-3WF03C-5AC/O V3
5Ghz 867Mbps 15km Outdoor Wireless CPE

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.
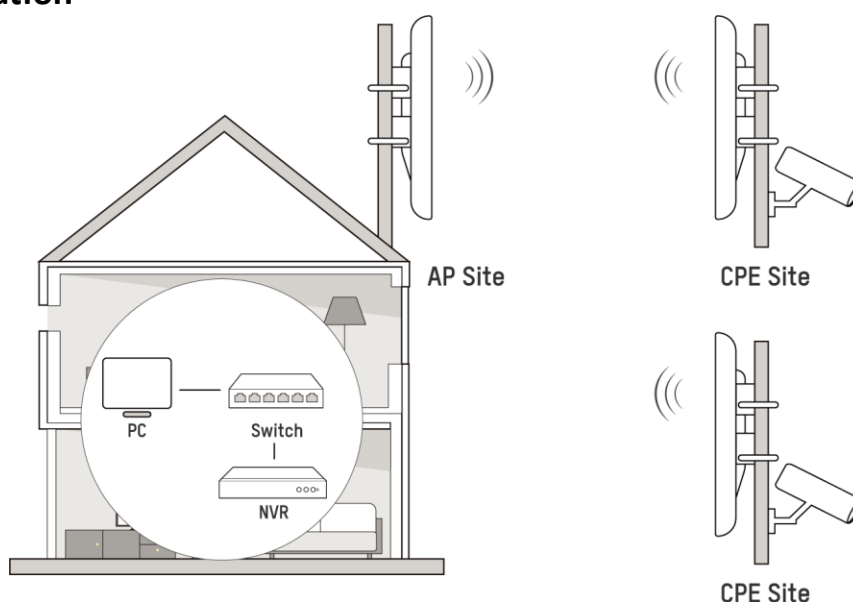
- All gigabit LAN ports

- TDMA supported

- Quick match through DIP switch

- Visualized topology management

- Up to 15 km wireless transmission distance

▪ Specification

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
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 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
General	
Product Dimensions (W × H × D)	92 mm × 187 mm × 58 mm (3.62'' × 7.36'' × 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)

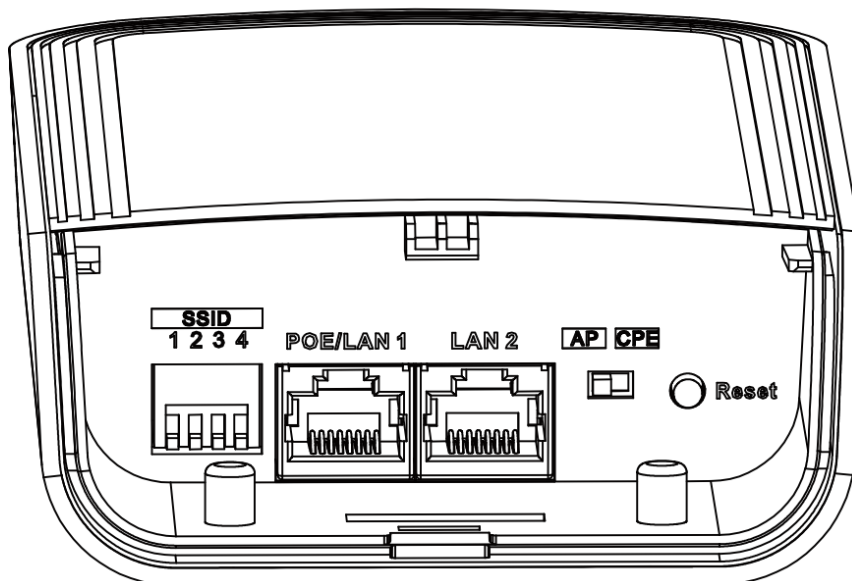| Packing List	Wireless Bridge × 1,Power Adapter (12 VDC, 1 A) × 1,Binding Tape × 2,10/100/1000 Mbps PoE Injector × 1,Quick Start Guide ×1,Regulatory Compliance and Safety Information × 1
Packing Method	Single unit packing
Working Temperature	-30 °C to 70 °C (-22 °F to 158 °F)
Working Humidity	5% to 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
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	UL (UL 60950-1),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,FCC Part 15.247

▪ Typical Application

▪ Physical Interface

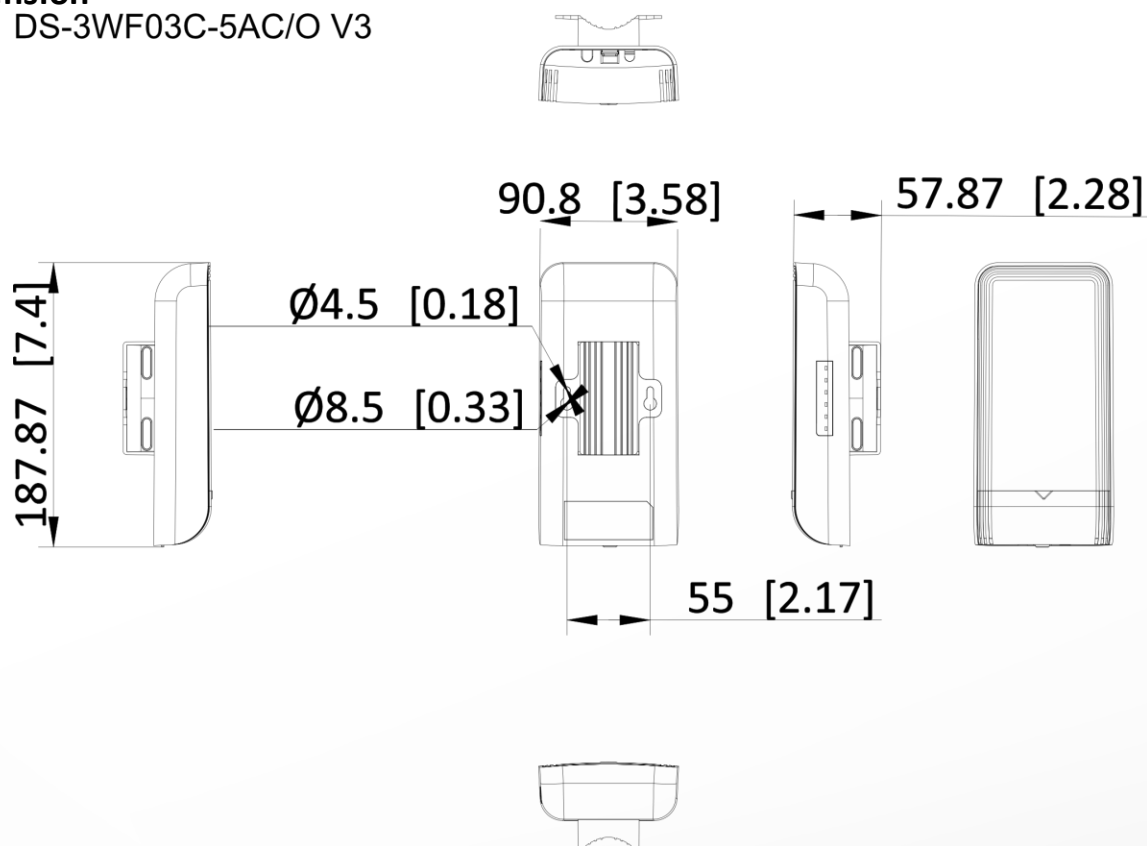| Interface/Button	Description
CPE/AP DIP Switch	Switch up or down to set the device as AP or CPE.
SSID	4-character SSID to realize 16 kinds of matching ways by switching up or down. The CPE will connect to the AP when its SSID matches the AP's.
PoE/LAN1	The 10/100/1000 Mbps adaptive RJ45 port, also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

DS-3WF03C-5AC/O V3

- **Available Model**

  DS-3WF03C-5AC/O V3

- **Dimension**

  DS-3WF03C-5AC/O V3

90.8 [3.58]

57.87 [2.28]

Ø4.5 [0.18]

Ø8.5 [0.33]

187.87 [7.4]

55 [2.17]

Unit: mm [inch]

See Far, Go Further

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