

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.

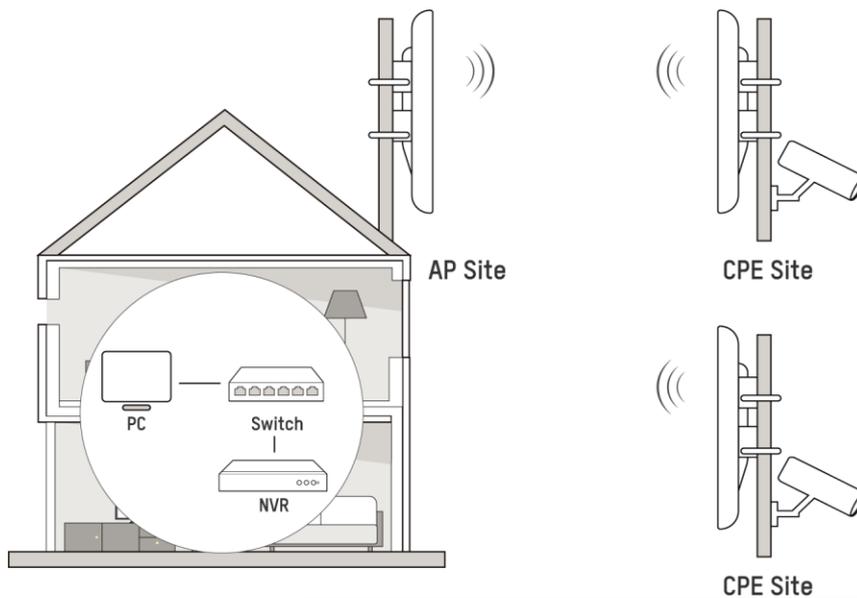
- Up to 15 km wireless transmission distance
- All gigabit LAN ports
- TDMA supported
- Quick match through DIP switch
- Visualized topology management

▪ 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 |

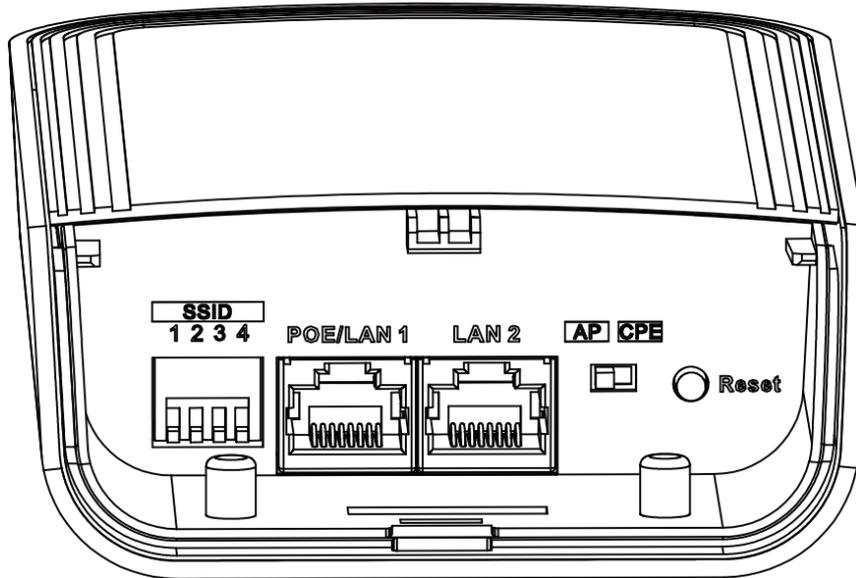
| | |
|-----------------|---|
| HPP | <p>Support one-click activation and remote management via Hik-Partner Pro. Functions supported:</p> <ol style="list-style-type: none"> 1. Reboot device 2. Restore device 3. Display the topology information 4. Display the connection status between AP and CPEs, including 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

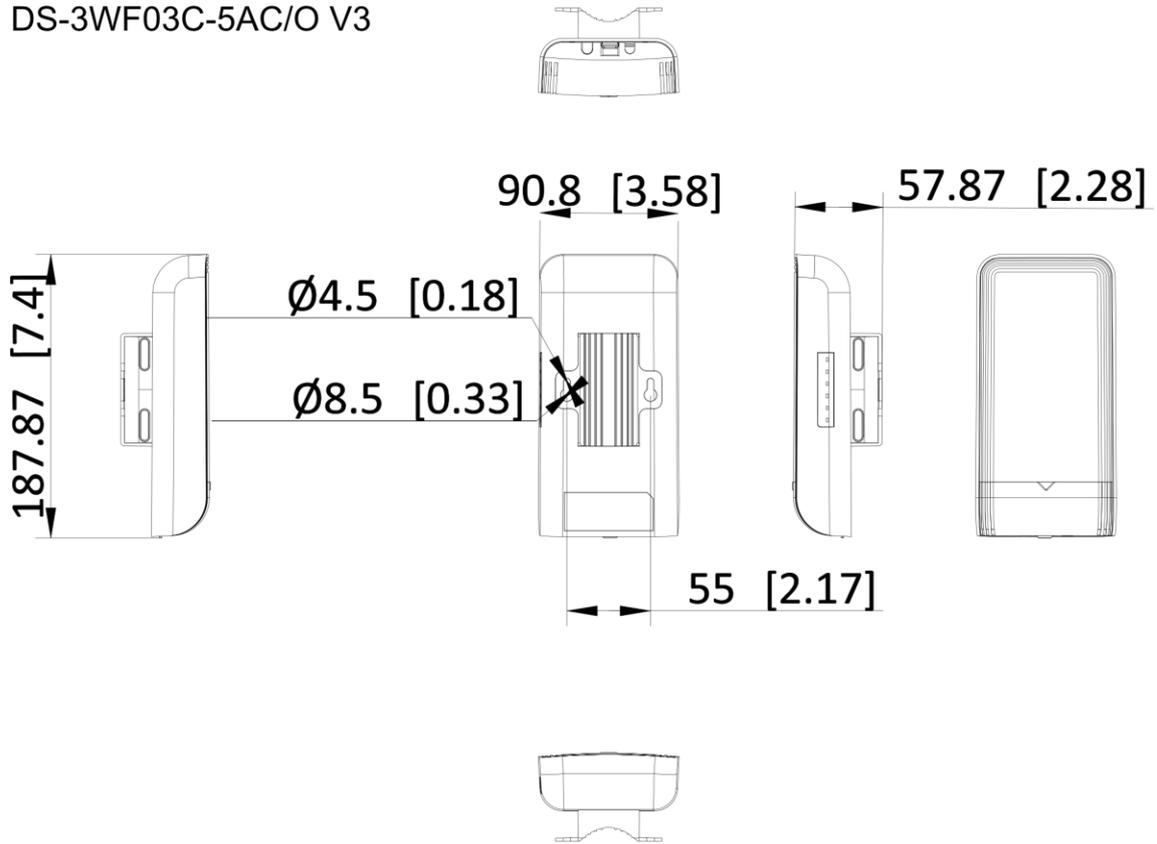
DS-3WF03C-5AC/OV3

DS-3WF03C-5AC/O

DS-3WF03C-5AC/OV2

▪ Dimension

DS-3WF03C-5AC/O V3



Unit: mm [inch]

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