

DS-3WF02C-5AC/O 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.

- All gigabit LAN ports
- TDMA supported
- Quick match through DIP switch
- Visualized topology management
- Up to 5 km wireless transmission distance

▪ Specification

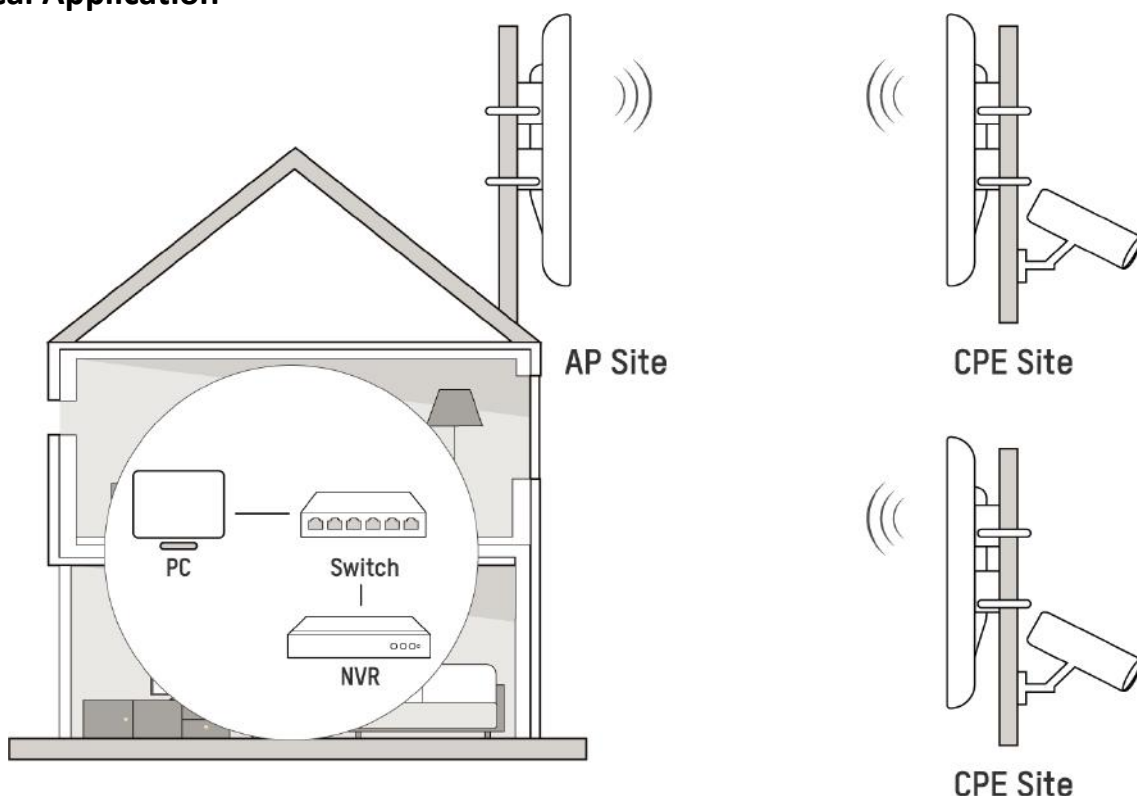
| Model | | DS-3WF02C-5AC/O | |
|--------------------|---|--|--|
| Wireless Parameter | Max. Transmission Rate of Air Interface | ≤ 867 Mbps | |
| | Wireless Standard | IEEE 802.11/a/n/ac | |
| | Working Frequency Band | 5180 to 5240 MHz 5260 to 5320 MHz (DFS) 5500 to 5700 MHz (DFS) 5745 to 5825 MHz (Note: Available channel may vary with local regulations.) | |
| | Transmitting Power | 22 dBm (Note: Transmitting power may vary with local regulations.) | |
| | Receiving Sensitivity | -58 ± 2 dBm@AC80 -MCS9; -84 ± 2 dBm@AC80 -MCS0 | |
| | Antenna Gain | 9 dBi | |
| | Antenna Angle | Beamwidth [3dB] (35°± 5°) | |
| | Networking Mode | Point-to-Point, Point-to-Multipoints (less than 4 points recommended) | |
| | Hardware Parameter | Port Numbers | 2 × Gigabit RJ45 ports |
| | | LED Indicator | Power indicator, LAN indicator, signal intensity indicator |
| Reset | | Hardware resetting button | |
| Power Supply | | 12 VDC/1 A Passive PoE; 12 VDC, 1 A | |
| Software Function | Application Function | TDMA, DFS, TPC | |
| | Channel Width | 20/40/80 MHz | |
| | Channel Selection | Auto/manual selection | |
| | Network Protocol | NTP (network time synchronization), SADP (auto search for IP address), HTTPS (web management), SSH (debugging) | |
| | Security Mode | WPA2-PSK | |
| | Security Mechanism | Wireless network name hidden | |
| | Management Method | Web, iVMS-4200 | |
| | Upgrade | Web, iVMS-4200 | |
| General | System Log | Syslog, control center information | |
| | 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, 100 MB PoE injector × 1, binding tape × 2, quick start guide × 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 |
| | Max. Power Consumption | 6 W |
| Approval | EMC | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011 +A1: 2014, EN 55035: 2017); IC (ICES-003: Issue 6); RCM (AS/NZS CISPR 32: 2015) |
| | Safety | UL (UL 60950-1); CB (IEC 60950-1:2005, AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition); CE-LVD (EN 60950-1: 2006 + A11: 2009 +A1: 2010+A12: 2011+A2: 2013, 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; FCC Part 15.407; FCC 2.1091 |

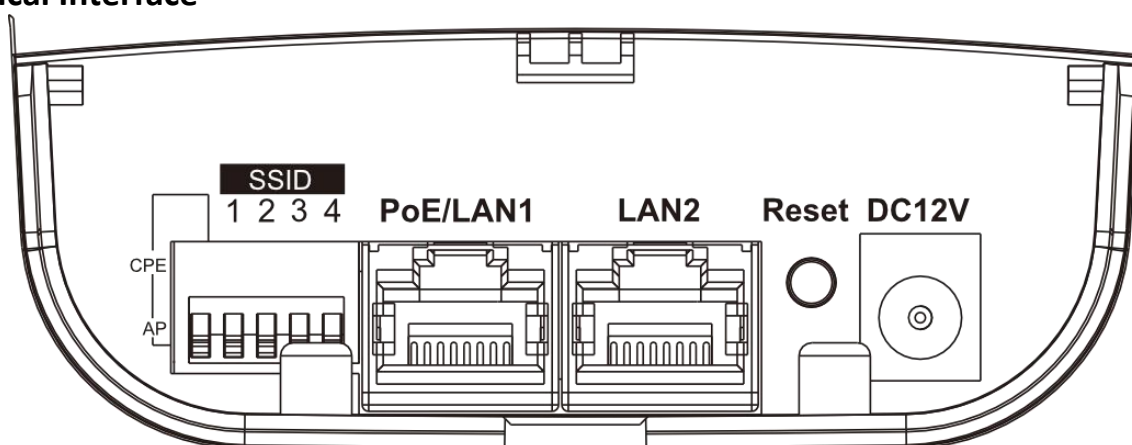
▪ **Available Model**

DS-3WF02C-5AC/O

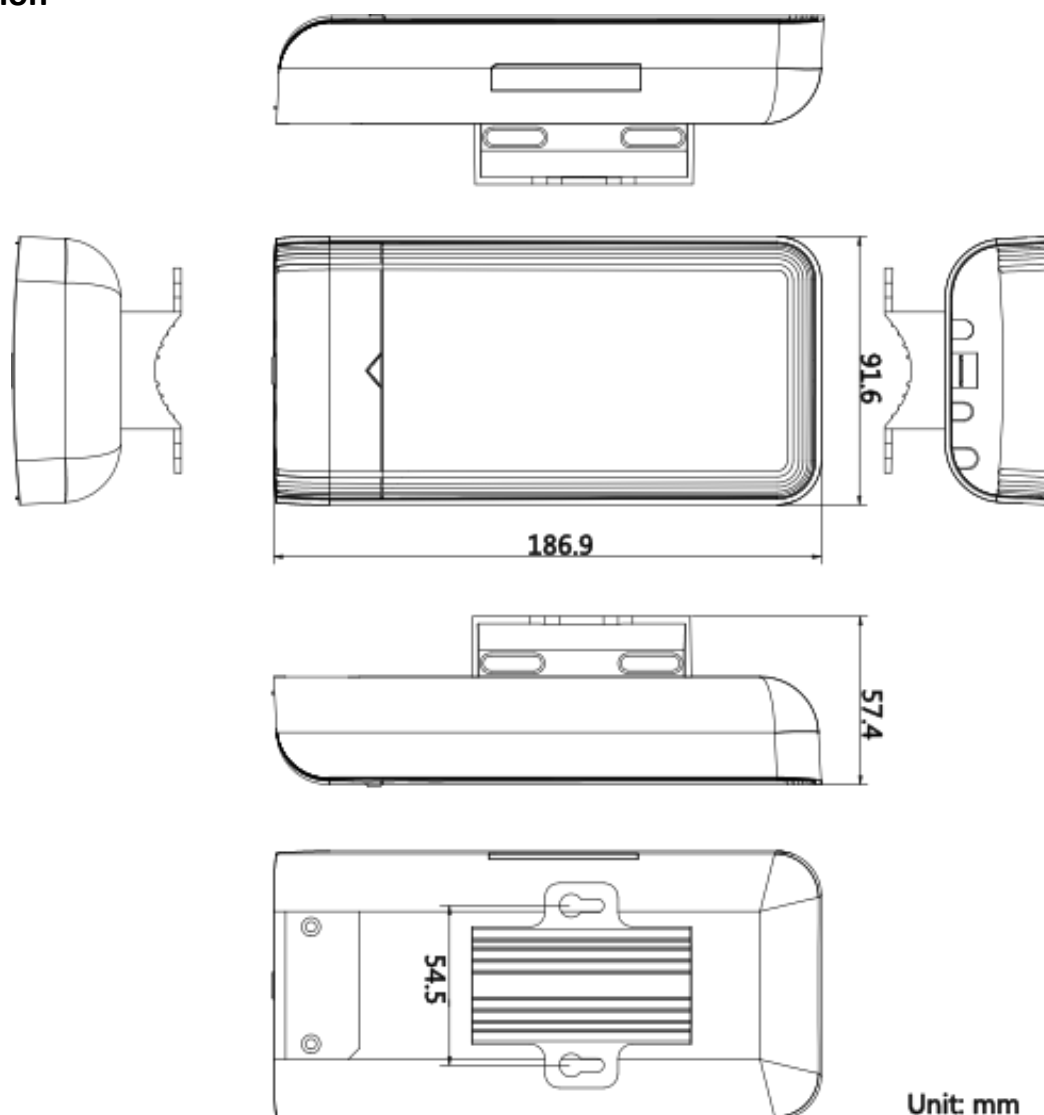
▪ **Typical Application**



▪ 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. |
| DC 12V | If the PoE injector is not used for powering on the device, you can use the attached power adapter to connect the device to socket. |

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