DS-3WF0FA-2N/O
2.4 Ghz 300 Mbps 1 KM 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.
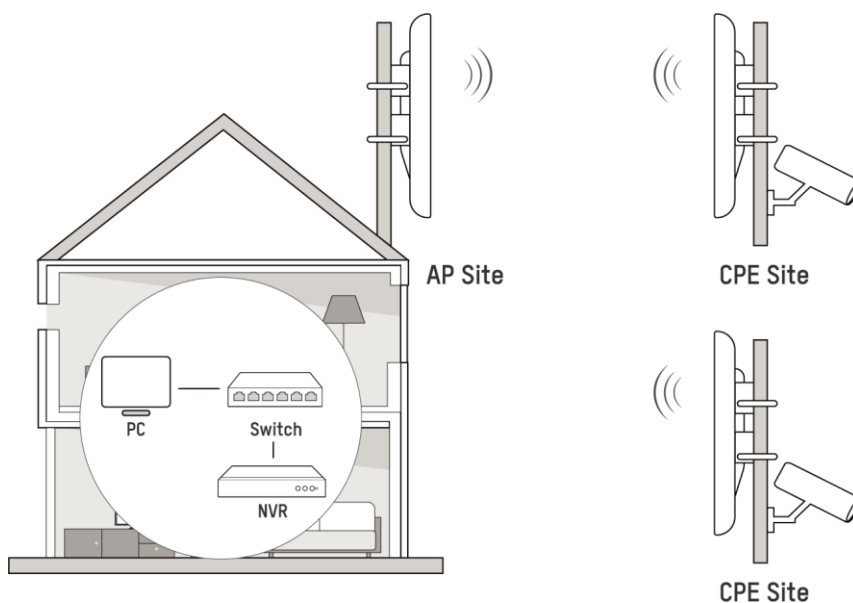
- Up to 1 km wireless transmission distance

- 300 Mbps 802.11n wireless bridge

- Built-in 7dBi 2 × 2 MIMO antenna

- Visualized topology management

- Real-Time alarm push technology

▪ Specification

Wireless Parameter	
Max. Transmission Rate of Air Interface	≤ 300 Mbps
Wireless Standard	IEEE 802.11b/g/n (2 × 2 MIMO 300 Mbps)
Working Frequency Band	2400 MHz ~ 2483.5 MHz
Antenna Gain	7 dBi
Antenna Angle	(H) Beamwidth [3 dB] 65° (V) Beamwidth [3 dB] 65°
Transmitting Power	17±2 dBm (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-87±2 dBm @HT40 MCS0
Throughput Rate	Point to point: Support up to 8-ch IPC (2MP) in Max. 1 KM distance and Max. 40 Mbps bandwidth, Point to multi-point: Support up to 4-ch IPC (2MP) in Max. 1 KM distance and Max. 20 Mbps bandwidth within 65° ± 5°, Max. 1 to 4 PTMP connection
Hardware Parameter	
Network Interface	2 × 10/100 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	10/20/40 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, HCP
Upgrade	Web, iVMS-4200, HCP
System Log	Syslog, Control center information
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	0.26 kg (0.57 lb)
Gross Weight	0.6 kg (1.32 lb)
Packing List	Wireless Bridge × 1, Power Adapter (12 VDC, 1 A) × 1, 10/100 Mbps PoE Injector × 1, Binding Tape × 2, 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 80 °C (-40 °F to 176 °F)
Storage Humidity	5% to 95% (no condensation)
Installation Mode	Pole Mounting
Ingress Protection	IP55
Power Consumption	1.95 W for typical (1-ch 2MP IPC), Max. 5 W

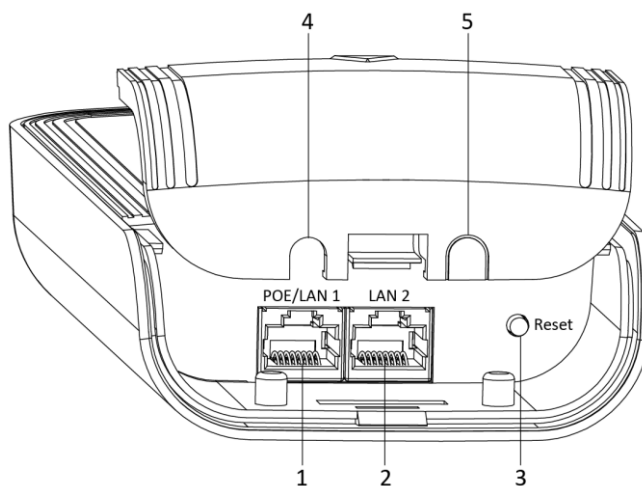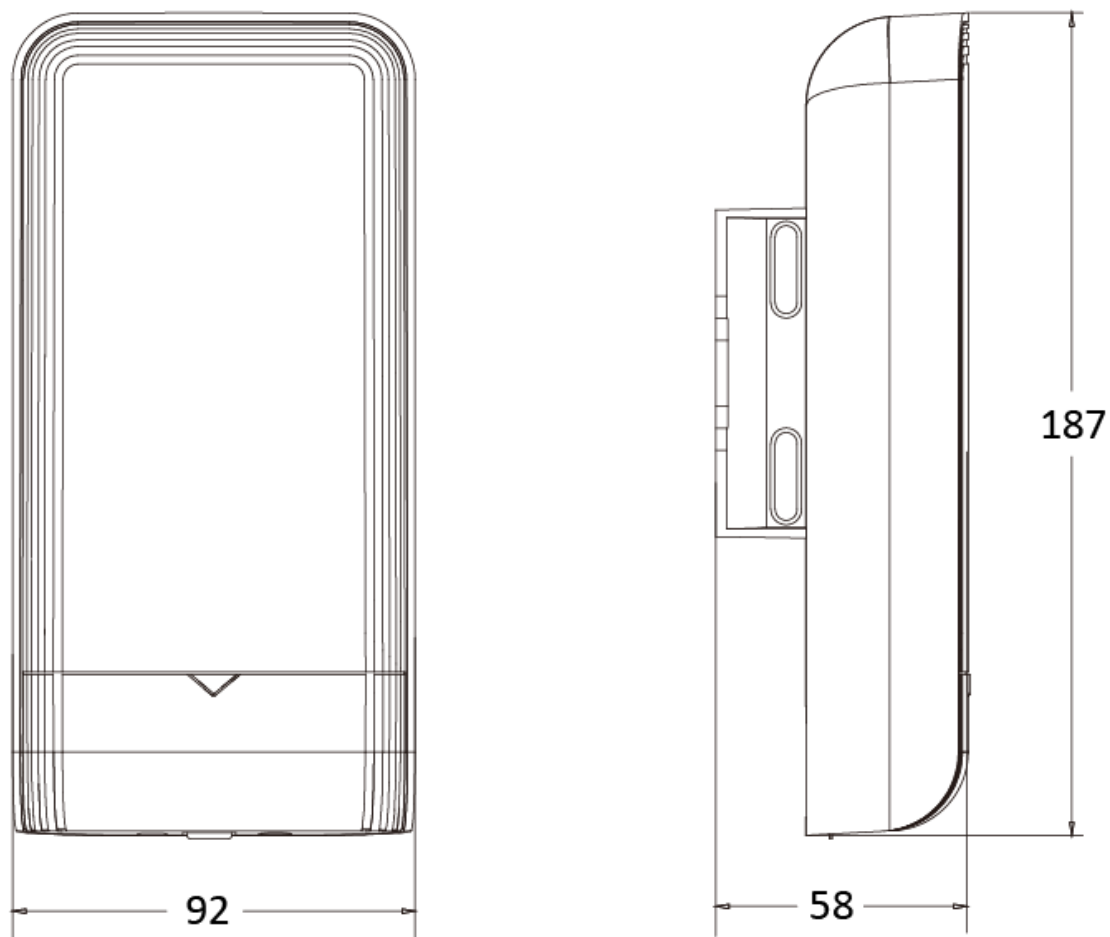| Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020)
Safety	UL (62368), CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition)), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU), 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

▪ Typical Application

▪ Physical Interface

No.	Interface/Button	Description
1	PoE/LAN 1	The 10/100 Mbps adaptive RJ45 port, also can be used as a PoE port.
2	LAN 2	The 10/100 Mbps adaptive RJ45 port.
3	Reset	Long press for 4 seconds to restore to factory settings.
4/5	Network Cable Slot	Reserved for easy placement of the network cables.

▪ **Available Model**

DS-3WF0FA-2N/O

▪ **Dimension**

Unit：mm

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