

**DS-3WF1000S-EI-2N**  
**2.4GHz 300Mbps 1KM Wireless Bridge**

The dual 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.

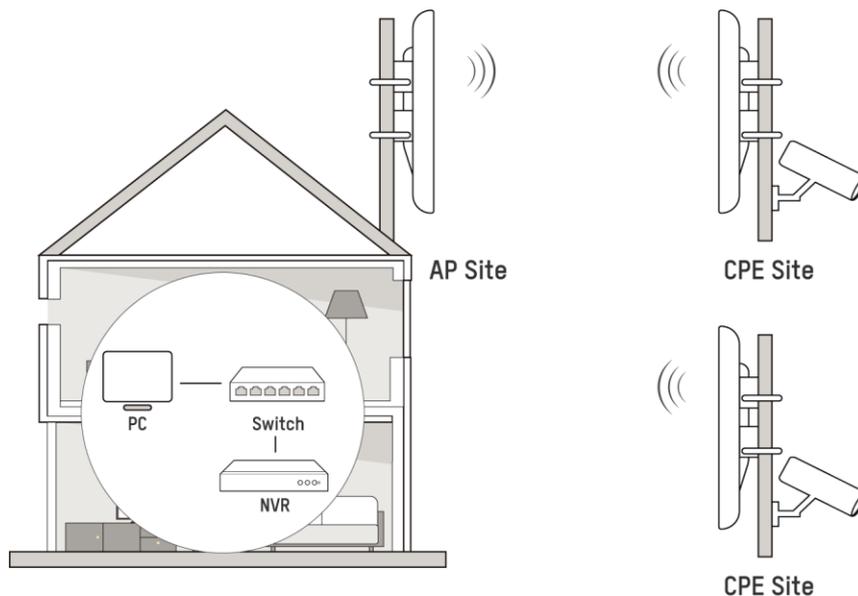
- Up to 1 km wireless transmission distance
- 300 Mbps 802.11n wireless bridge
- Built-in 7dBi 2 x 2 MIMO antenna
- Visualized topology management

## ▪ Specification

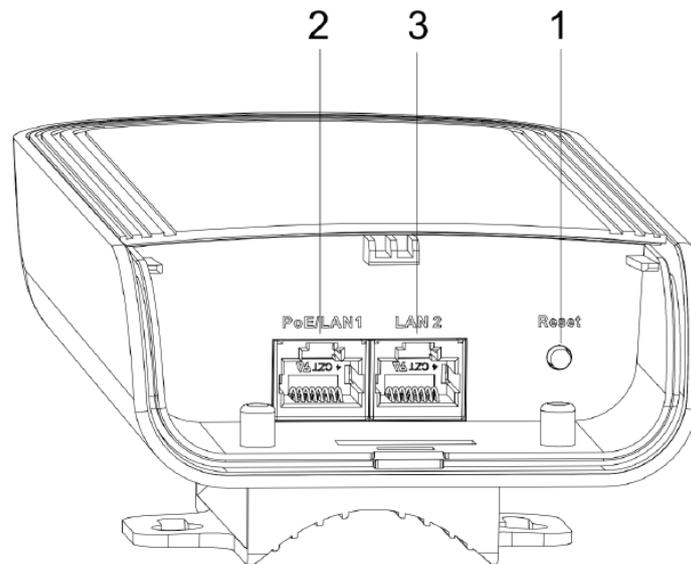
General	
Product Dimensions (W × H × D)	90.8 mm × 187.87 mm × 57.87 mm (3.57" × 7.39" × 2.27")
Package Dimensions (W × H × D)	132 mm × 228 mm × 91 mm (5.19" × 8.97" × 3.58")
Net Weight	0.26 kg (0.57 lb) per device
Gross Weight	0.54 kg (1.19 lb)
Packing List	Wireless Bridge × 1, Power Adapter (12 VDC, 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 60 °C (-22 °F to 140 °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	1.8 W for typical (1-ch 2MP IPC), Max. 4.5 W
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] 60°, (V) Beamwidth [3 dB] 50°
Transmitting Power	22 dBm @11n MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-87±2 dBm @HT40 MCS0
Throughput Rate	PTP: 90 Mbps/0.2 KM(HT40), 90 Mbps/0.5 KM(HT40), 70 Mbps/1 KM(HT40), PTMP(1 to 4): 40 Mbps/1 KM(HT40)
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	IFM, IPM
Channel Width	10/20/40 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"> <li>1. Reboot device</li> <li>2. Restore device</li> <li>3. Display the topology information</li> <li>4. Display the connection status between AP and CPEs, including signal intensity, background noise, sending &amp; receiving rate</li> <li>5. Configure wireless settings, including working mode, SSID, password, channel, channel bandwidth, transmitting power</li> <li>6. Bridge alignment</li> <li>7. Spectrum scanning</li> </ol>
<b>Approval</b>	
EMC	CE-EMC(EN 55032, EN 50130-4, EN 55035, EN IEC 61000-3-2, EN 61000-3-3)
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 301 489-17, EN EN 301 489-1, EN 61000-3-3, EN IEC 61000-3-2, EN 300 328, EN IEC 62311

**▪ Typical Application**



**▪ Physical Interface**

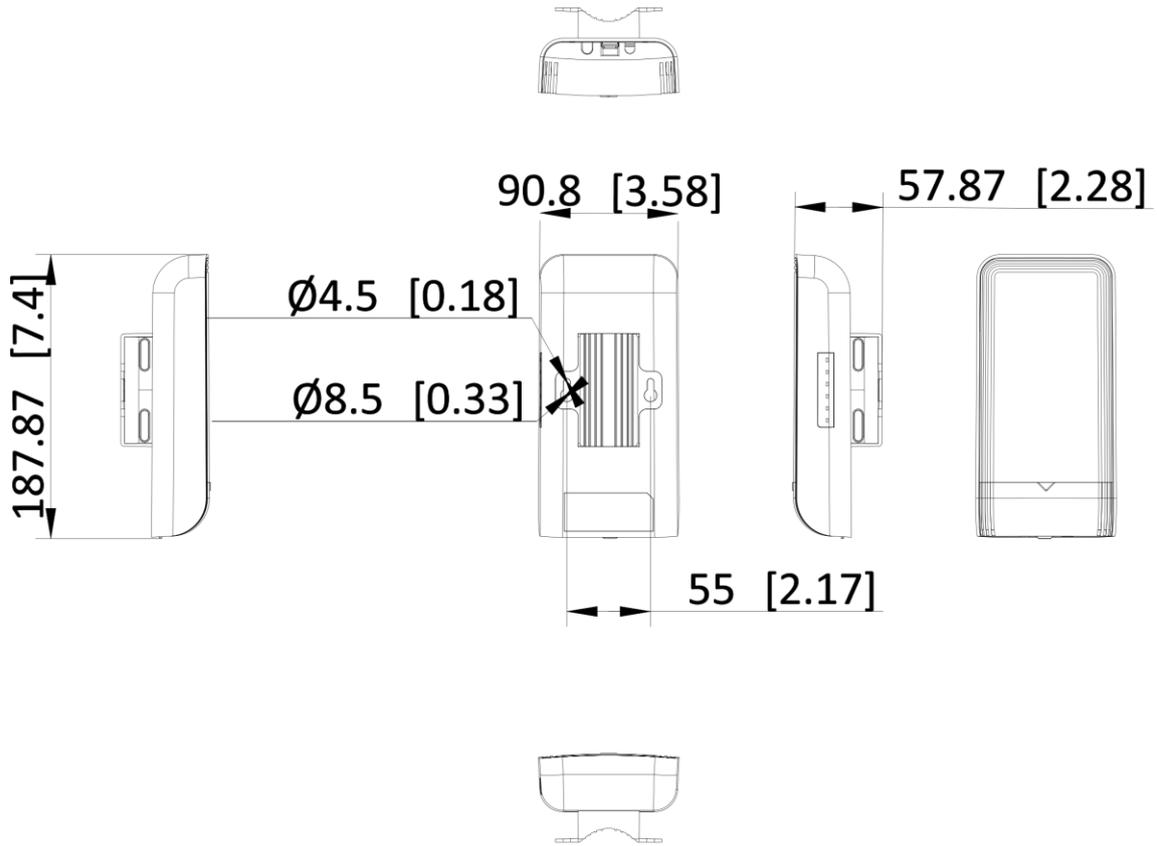


No.	Interface/Button	Description
1	Reset	Long press for 4 seconds to restore to factory settings.
2	PoE/LAN 1	The 10/100 Mbps adaptive RJ45 port, also can be used as a PoE port.
3	LAN 2	The 10/100 Mbps adaptive RJ45 port.

▪ **Available Model**

DS-3WF1000S-EI-2N

▪ **Dimension**



Unit: mm [inch]

# See Far, Go Further



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