

DS-3WF0EC-5ACT **5 Ghz 867 Mbps 500m Elevator 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 500 m wireless transmission distance
- 867 Mbps 802.11ac wireless bridge
- Built-in 8 dBi 2 x 2 MIMO antenna
- Visualized topology management
- Real-Time alarm push technology

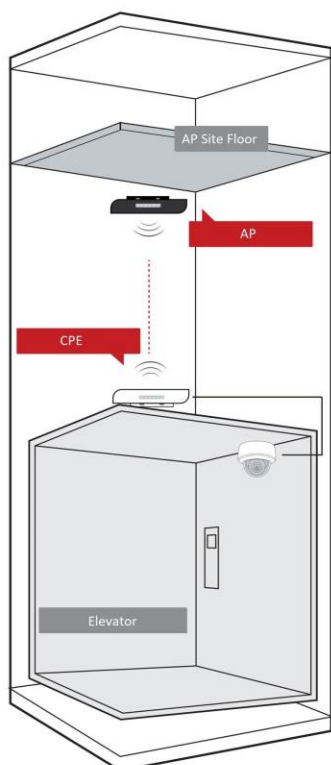
▪ Specification

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)	256 mm × 231 mm × 86 mm (10.07" × 9.09" × 3.38")
Net Weight	0.26 kg (0.57 lb) per device
Gross Weight	0.8 kg (1.76 lb)
Packing List	Wireless Bridge × 2, Power Adapter (12 VDC, 1 A) × 2, 10/100 Mbps PoE Injector × 2, Binding Tape × 4, Quick Start Guide × 1, Regulatory Compliance and Safety Information × 1
Packing Method	Packing in pairs
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	2.43 W for typical (1-ch 2MP IPC), Max. 3.6 W
Wireless Parameter	
Max. Transmission Rate of Air Interface	≤ 867 Mbps
Wireless Standard	IEEE 802.11/a/n/ac
Working Frequency Band	5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz, 5470 MHz ~ 5725 MHz, 5725 MHz ~ 5825 MHz
Antenna Gain	8 dBi
Antenna Angle	(H) Beamwidth [3 dB] 50° (V) Beamwidth [3 dB] 50°
Transmitting Power	22 dBm @11ac MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-84dBm@AC80-MCS0
Throughput Rate	PTP: ,80 Mbps/0.2 KM(AC80),40 Mbps/0.5 KM(AC80)
Hardware Parameter	
Network Interface	3 × 10/100 Mbps RJ45 ports
LED Indicator	Power indicator, LAN indicator, Signal intensity indicator
Reset	Hardware resetting button
Power Supply	12 VDC/1 A Passive PoE
Software Function	
Application Function	IFM, IPM, 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)
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

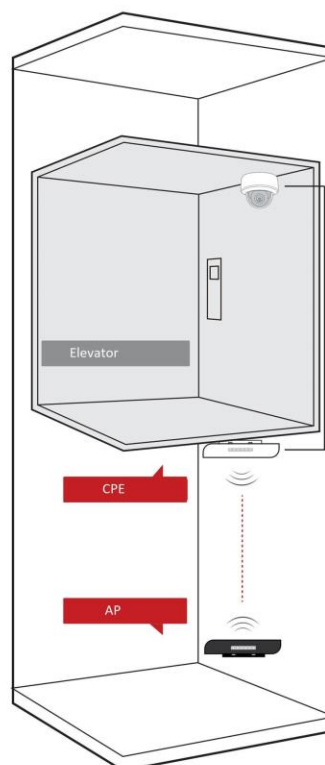
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: <ol style="list-style-type: none"> 1. Reboot device 2. Restore device 3. Display the topology information 4. Display the connection status between AP and CPEs, including signal intensity, background noise, 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 55032:2015+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	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

Scene 1



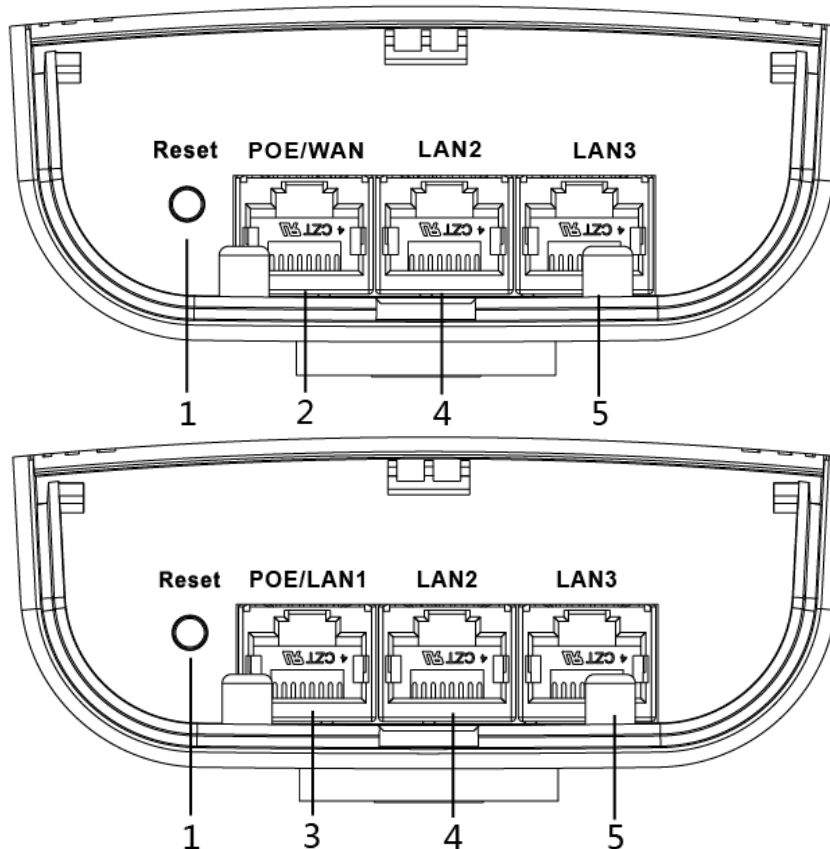
Scene 2



▪ Physical Interface

No.	Interface/Button	Description
1	Reset	Long press for 4 seconds to restore to factory settings.
2	PoE/WAN	The 10/100 Mbps adaptive RJ45 port,

		also can be used as a PoE port.
3	PoE/LAN 1	The 10/100 Mbps adaptive RJ45 port, also can be used as a PoE port.
4/5	LAN 2/LAN 3	The 10/100 Mbps adaptive RJ45 port.



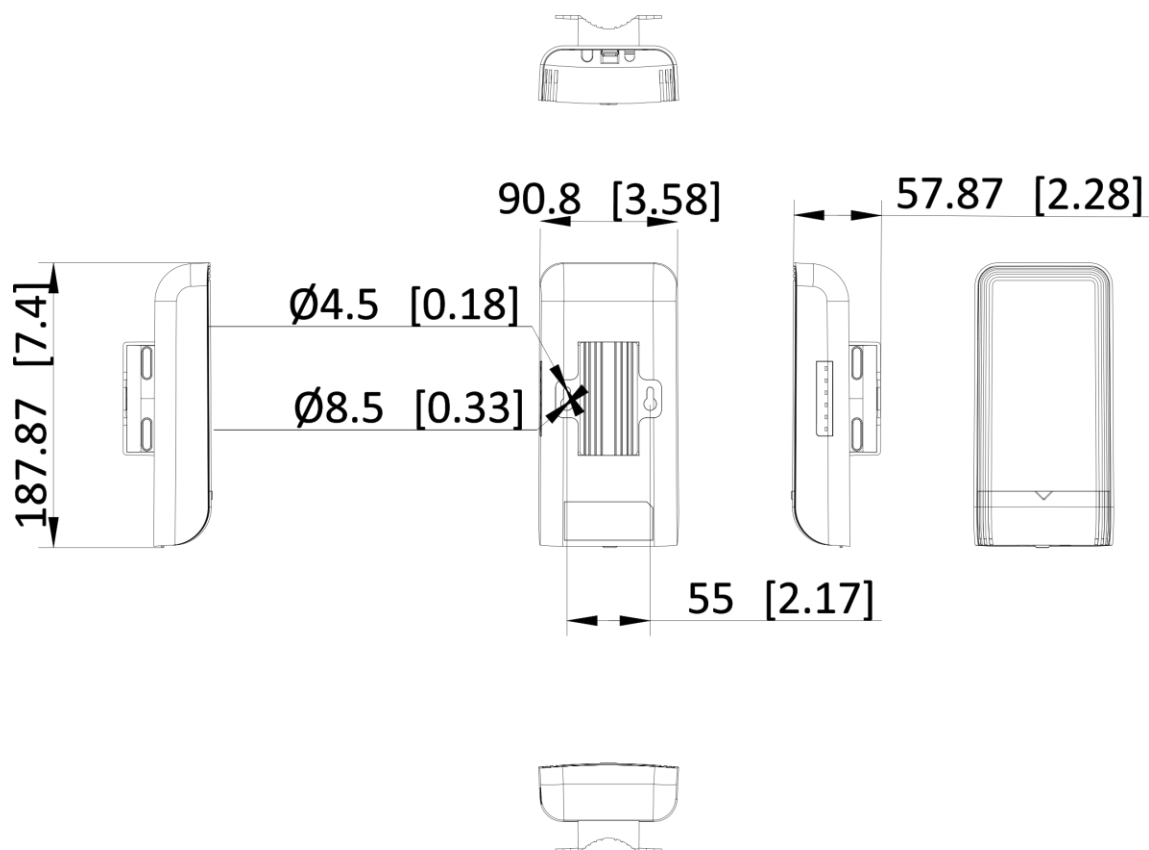
▪ Available Model

DS-3WF0EC-5ACT

DS-3WF0EC-5ACT-AP

DS-3WF0EC-5ACT-ST

▪ Dimension



Unit: mm [inch]

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