

DS-3WF15KS-SI-5ACG/H **5Ghz 867Mbps 15KM Industrial 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.

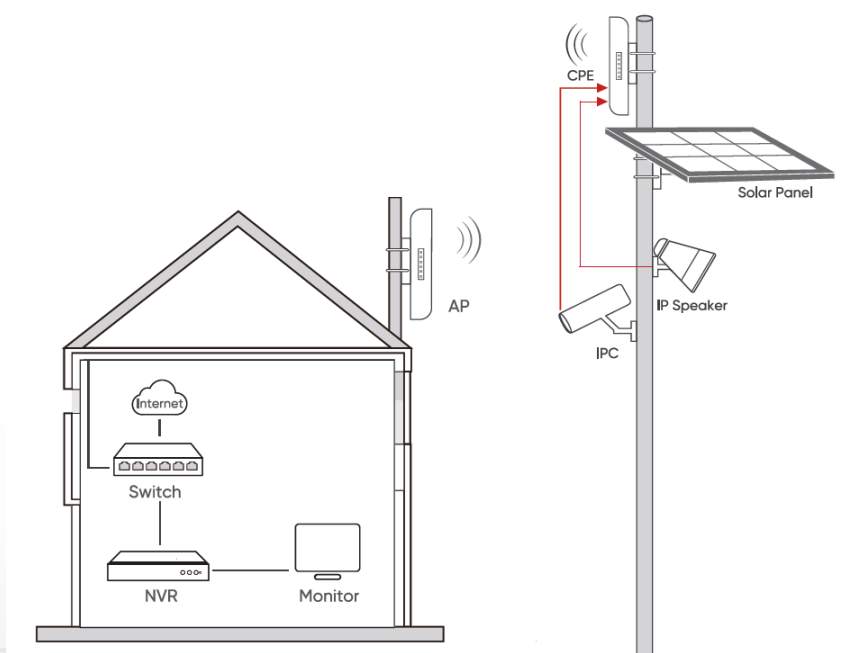
- Up to 15 km wireless transmission distance
- 867 Mbps 802.11ac wireless bridge
- Built-in 15 dBi 2 x 2 MIMO antenna
- Visualized topology management
- 6KV surge protection
- EMC level 4 protection
- IP68 weatherproof enclosure

▪ Specification

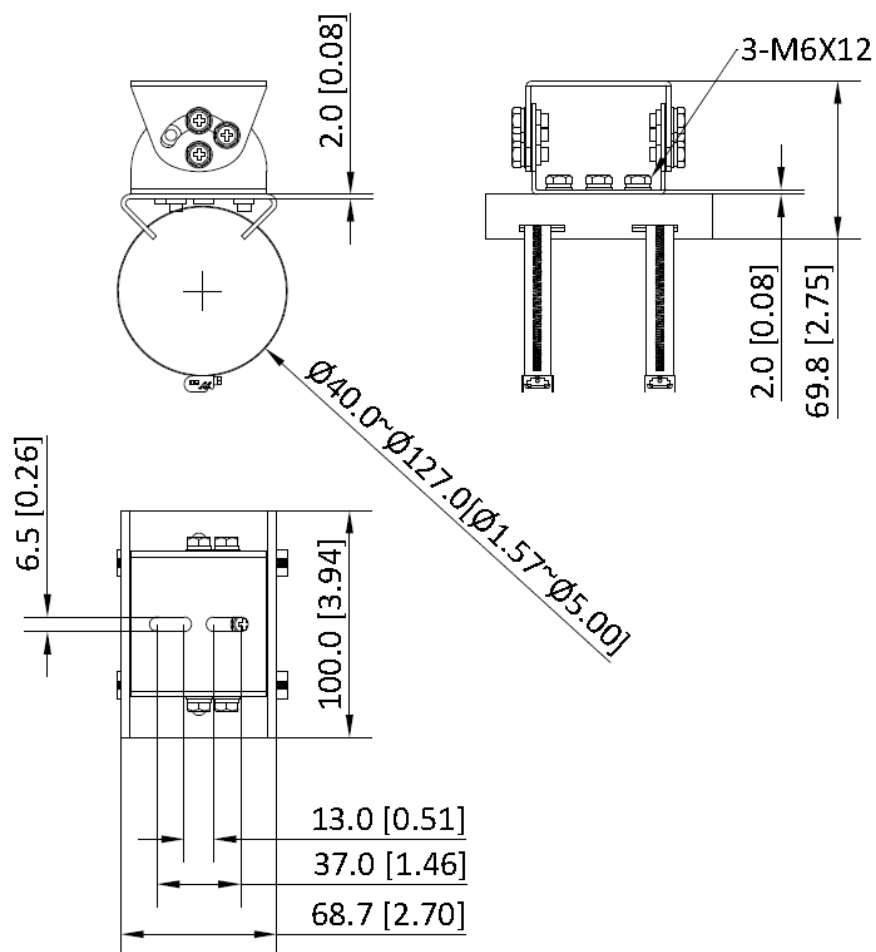
General	
Product Dimensions (W × H × D)	134mm × 224.09 mm × 96.58 mm (without antenna)
Package Dimensions (W × H × D)	392 mm × 392 mm × 155 mm (15.43" × 15.43" × 6.10")
Net Weight	1.6 kg (3.52 lb) per device
Gross Weight	4.2 kg (9.24 lb)
Packing List	Wireless Bridge × 1,PoE Power Supply × 1,AC Cord × 1,Quick Start Guide ×1,Regulatory Compliance and Safety Information × 1,Antenna x 1 , Waterproof plug x 3 , Mounting bracket x 1
Packing Method	Single unit packing
Working Temperature	-40 °C to 70 °C (-40 °F to 158 °F) Note: The actual operating temperature range of the entire device depends on the power adapter. The default adapter supports a maximum of 65°C (149°F). To achieve the full 70°C (158°F) operating range, an optional industrial-grade power adapter must be used.
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	IP68
Power Consumption	4 W for typical (1-ch 2MP IPC), Max. 7 W
ESD Protection	±15 kV(Air) / ±8 kV(Contact)
Surge Protection	6 kV
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,(Note: Available channel may vary with local regulations.)
Antenna Gain	15 dBi
Antenna Angle	(H) Beamwidth [3 dB] 30° (V) Beamwidth [3 dB] 30°
Transmitting Power	29 dBm @11ac 80MHz MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-88 ±2dBm@AC80-MCS0
RF Design	The band-pass filters are used to remove unwanted frequencies from the signal.
Throughput Rate	PTP:300 Mbps/5 KM(AC80), 180 Mbps/10 KM(AC80), 110 Mbps/15 KM(AC80); PTMP(1 to 8): 110 Mbps/5KM(AC80)
Hardware Parameter	
Network Interface	2 × 10/100/1000 Mbps RJ45 ports
LED Indicator	Power indicator,LAN indicator,Signal intensity indicator
Reset	Hardware resetting button
Power Supply	24 V Passive PoE/9~36 V DC;Check the physical interface image below for more details.
Software Function	
Application Function	IFM,IPM,DFS,TPC
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	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 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
PoE Power Supply	
PoE Port	LAN1 passive PoE IN
PoE Distance	100 m
Approval	
EMC	CE-EMC(EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130-4, EN 55035)
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 61000-3-3, EN IEC 61000-3-2, EN IEC 62311

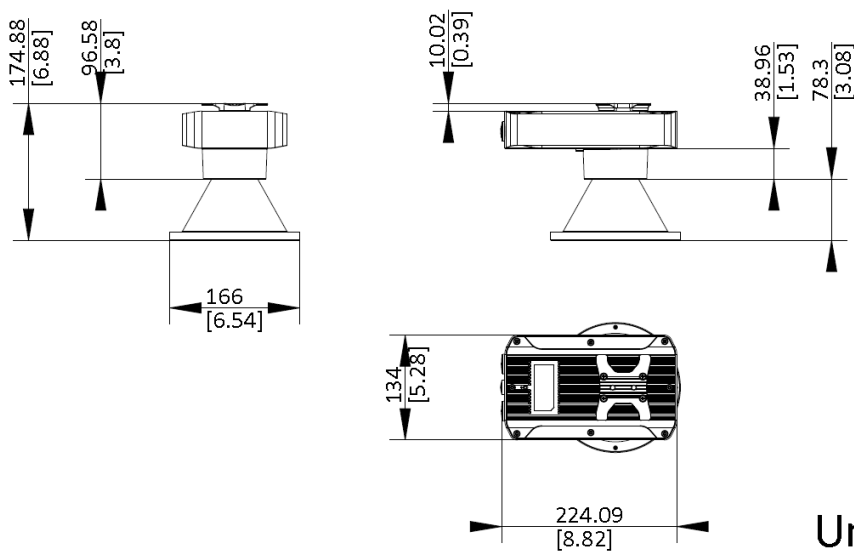
▪ Typical Application



▪ Dimension



Unit: mm [inch]



Unit: mm [inch]

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