HIKVISION®

DS-3WF20KS-S-5ACG
5GHz 867Mbps 20KM 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.
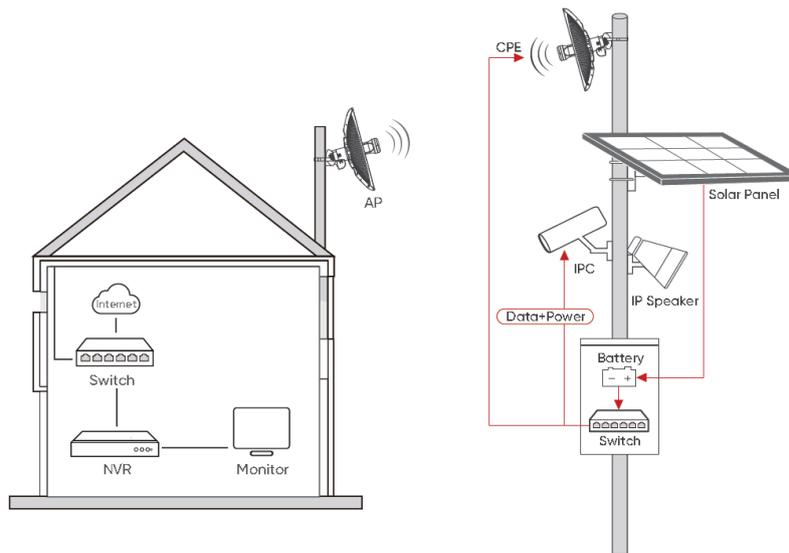
- Up to 20 km wireless transmission distance

- 867 Mbps 802.11ac wireless bridge

- TDMA supported

- Standard PoE Input

▪ Specification

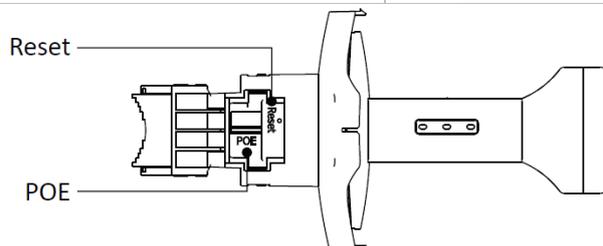| General	
Product Dimensions (W × H × D)	Diameter: 372.2 mm(14.65")
	Thickness: 241.02 mm(9.45")
Package Dimensions (W × H × D)	448 mm × 418 mm × 420 mm (17.64" × 16.46" × 16.54")
Net Weight	0.9 kg (1.98 lb)
Gross Weight	2.1 kg (4.63 lb)
Packing List	Wireless Bridge × 1,Power Supply Adaptor × 1,Power Cord × 1,RJ45 Cover × 1,Adjustable mounting bracket component × 1,Hoop × 1,Antenna reflector plate × 1,Quick Start Guide ×1,Regulatory Compliance and Safety Information × 1
Packing Method	Single unit packing
Working Temperature	-40 °C to 65 °C (-40 °F to 149 °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
Ingress Protection	IP55
Power Consumption	6 W for typical (1-ch 2MP IPC), Max. 8 W
Wireless Parameter	
Wireless Standard	IEEE 802.11/a/n/ac
Max. Transmission Rate of Air Interface	≤ 867 Mbps
Working Frequency Band	5150 MHz ~ 5250 MHz,5250 MHz~ 5350 MHz,5470 MHz~ 5725 MHz,5725 MHz~ 5850 MHz
Antenna Gain	23 dBi
Antenna Angle	(H) Beamwidth [3 dB] 10°, (V) Beamwidth [3 dB] 10°
Transmitting Power	27 dBm @11ac MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-85±2dBm@AC80-MCS0,-60±2 dBm@AC80-MCS9
Throughput Rate	PTP: 230 Mbps/20 KM(AC80),250 Mbps/15 KM(AC80),300 Mbps/10 KM(AC80),350 Mbps/5 KM(AC80)
Hardware Parameter	
Network Interface	1 × 1000 Mbps RJ45 ports
LED Indicator	Signal intensity indicator
Reset	Hardware resetting button
Power Supply	48V 0.25A PoE or PoE(802.3af) 36 ~ 57V 0.2A
Software Function	
Application Function	TDMA,DFS
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	Web
System Log	Syslog

Upgrade	Web
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 IEC 62368-1)
Chemistry	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

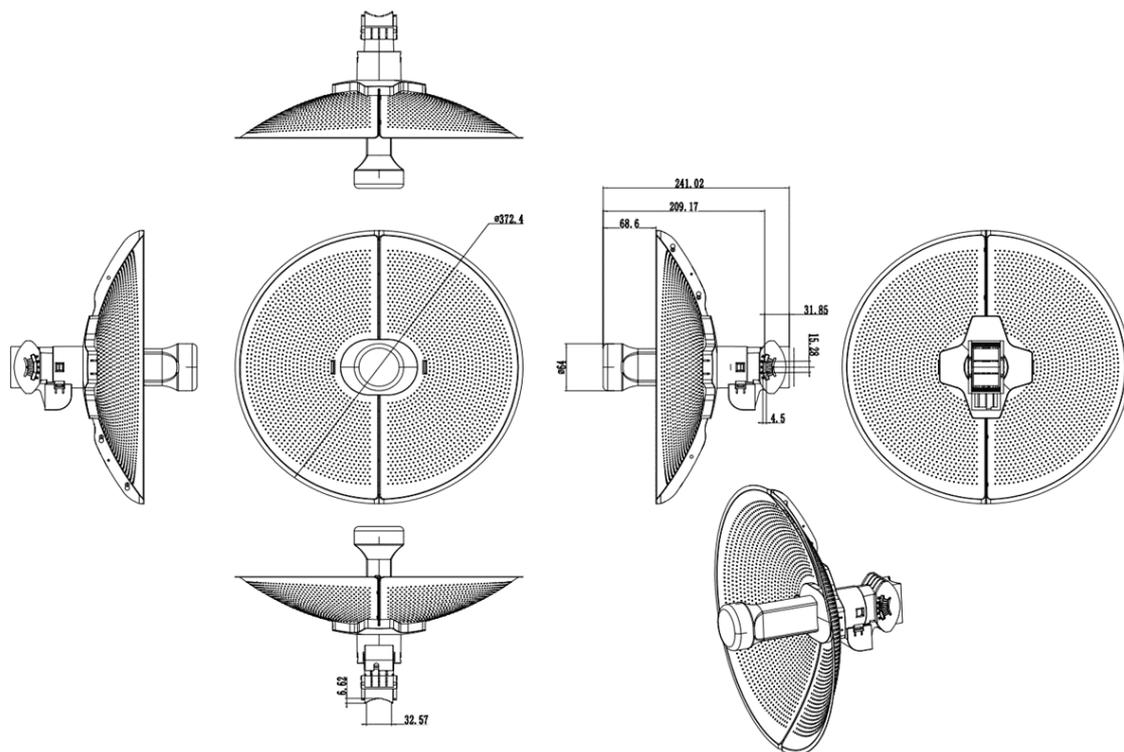## ▪ Typical Application

▪ Physical Interface

Interface/Button	Description
POE	Connect to the "POE" port on the POE power supply via a network cable to provide power and data transmission for the device.
Reset	Press and hold the reset button for more than 10 seconds to fully restore the factory default settings.

▪ Available Model
DS-3WF20KS-S-5ACG

▪ Dimension

See Far, Go Further

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