DS-3W
5Ghz

The wireless Base Station is designed for outdoor applications such as CCTV, city road, factory, etc. With 360°/120° MIMO antenna, it's flexible and ideal for point-to-multipoint application.

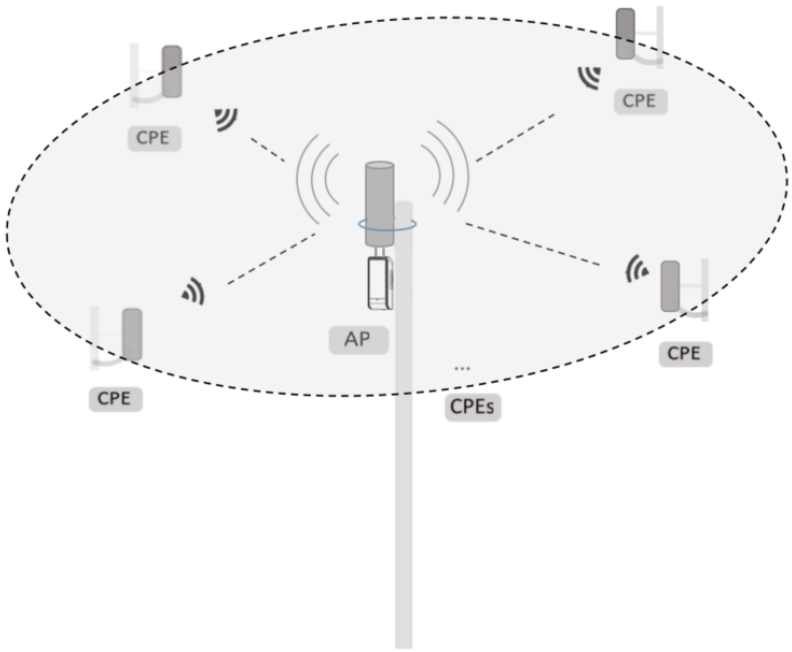
- Up to 5 km wireless transmission distance
- 867 Mbps 802.11ac wireless bridge
- 802.3af PoE power supply
- Visualized topology management
- Real-Time alarm push technology

■Specification

General	
Product Dimensions (W × H × D)	103.6 mm × 58.3 mm × 198.4 mm (4.1'' × 2.3'' × 7.8'')
Package Dimensions (W × H × D)	228 mm × 98 mm × 256 mm (9.0'' × 3.9'' × 10.1'')
Net Weight	0.3 kg (0.66 lb)
Gross Weight	0.94 kg (2.07 lb)
Packing List	Wireless Bridge × 1, Power Supply Adaptor × 1, Power Cord × 1, Regulatory Compliance and Safety Information × 1, Quick Start Guide ×1, Screw × 2, Binding Tape × 2, Mounting Bracket x 1
Packing Method	Single unit packing
Working Temperature	-30 ℃ to 60 ℃ (-22 ℉ to 140 ℉)
Working Humidity	5% to 95% (no condensation)
Storage Temperature	-40 ℃ to 80 ℃ (-40 ℉ to 176 ℉)
Storage Humidity	5% to 95% (no condensation)
Installation Mode	Pole Mounting
Ingress Protection	IP55
Power Consumption	2.65 W for typical (1-ch 2MP IPC), Max. 4.5 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~ 5825 MHz,(Note: Available channel may vary with local regulations.)
Transmitting Power	27 dBm @11ac MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-65±2dBm@11ac 80MHz MCS9 -90±2dBm@11ac 80MHz MCS0
Throughput Rate	PTMP(1 to 8): 120° Directional Antenna: 160 Mbps/1 KM(AC80), 120 Mbps/3 KM(AC80), 80 Mbps/5 KM(AC80), Omnidirectional Antenna: 144 Mbps/1 KM(AC80), 120 Mbps/2 KM(AC80)
PoE Power Supply	
PoE Port	PoE IN/LAN 1
PoE Distance	100m
Hardware Parameter	
Network Interface	2 × 1000 Mbps RJ45 ports
LED Indicator	Power indicator, LAN indicator, Signal intensity indicator
Reset	Hardware resetting button
Power Supply	48V 0.32A PoE or PoE(802.3af) 36□57V 0.2A
Software Function	
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, iVMS-4200, HPP
System Log	Syslog,Control center information
Upgrade	Web, iVMS-4200, HPP
Application Function	TDMA, DFS, TPC, IFM, IPM

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
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

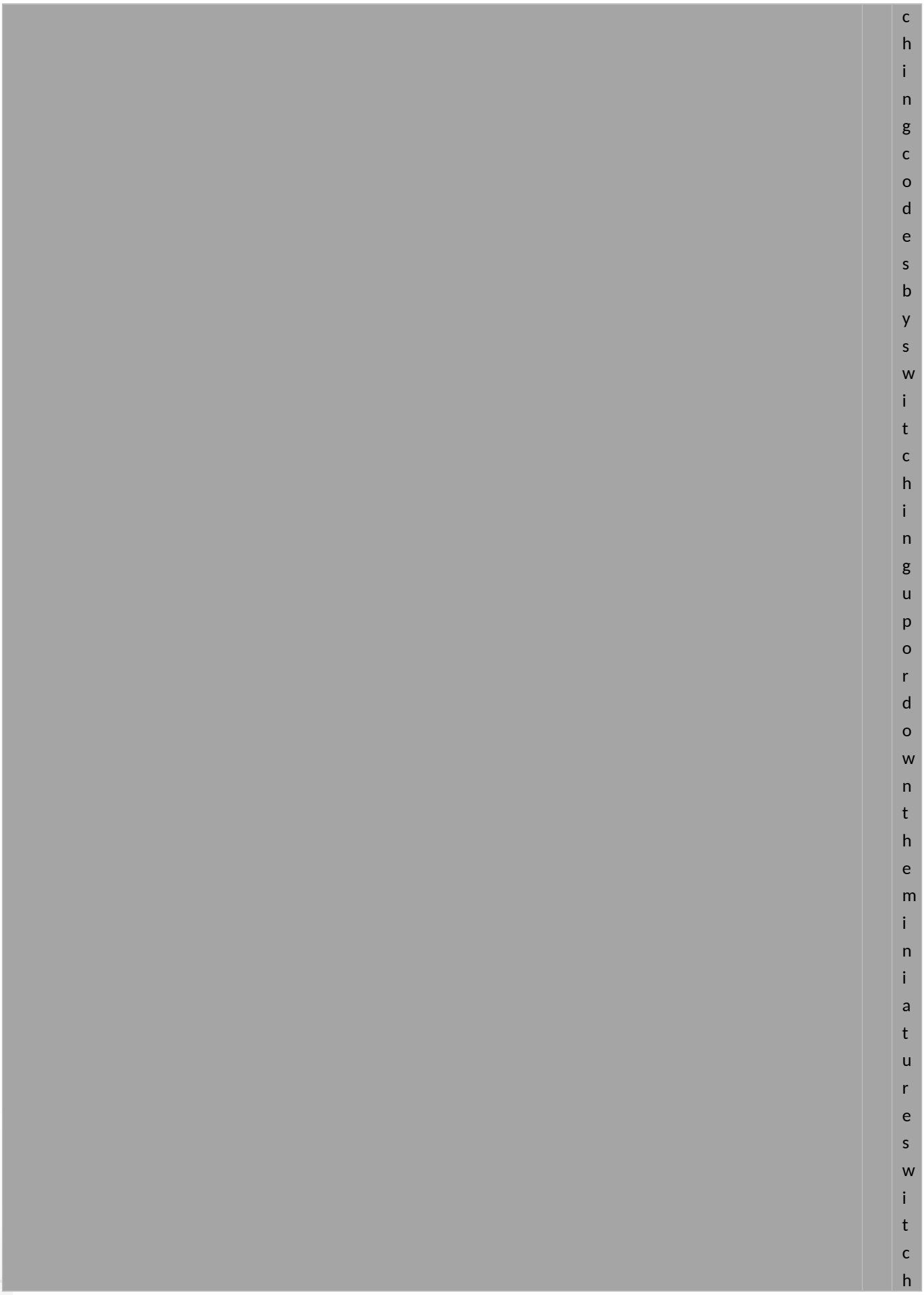
■Typical Application



■Physical Interface

No.	Interface	Description

	/ Button	**on**
1	SSID	ADIPswitch(4-pin)usedtorealize16setsofmat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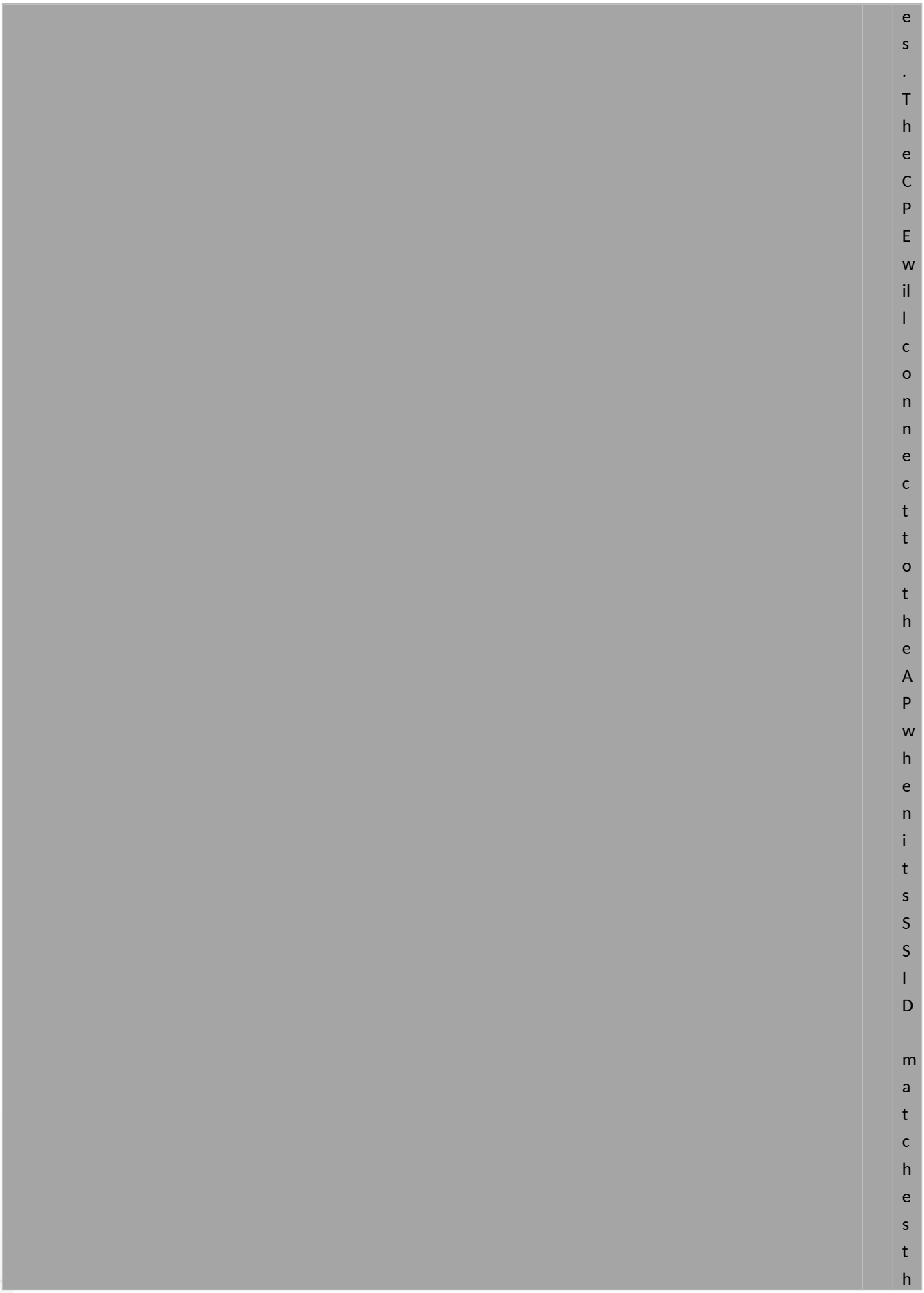

es.
The CPE will connect to the AP when it's SSID
matches th

		a t o f t h e A P .
2	P o E I N / L A N 1	T h e 1 0 / 1 0 0 / 1 0 0 0 M b p s a d a p t i v e R J 4 5 p o r t , a l s

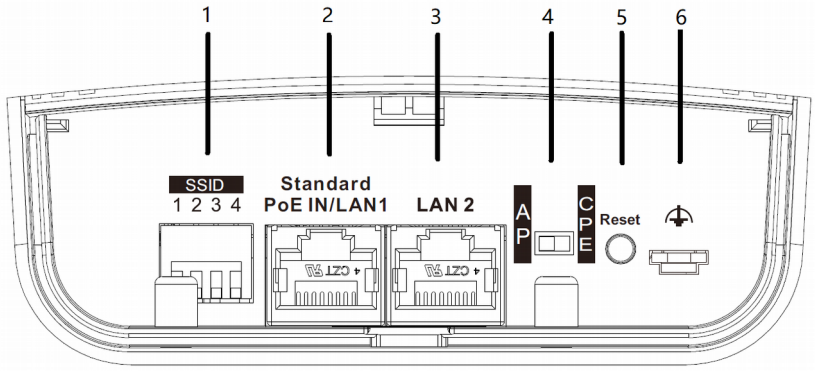
		ocanbeusedasaPoEport.
3	LAN2	The10/100/1000MbpsadaptiveR

		J45port.
4	CPE/APDIPSwitch	Switchrightorleftttosetthedevicesasan APorC

		PE.
5	Reset	Longpressfor4secondstoresettheddevicetofacto

		rysettings.
6	GroundingTerminal	Usedforconnectiontoagroundingcabletop

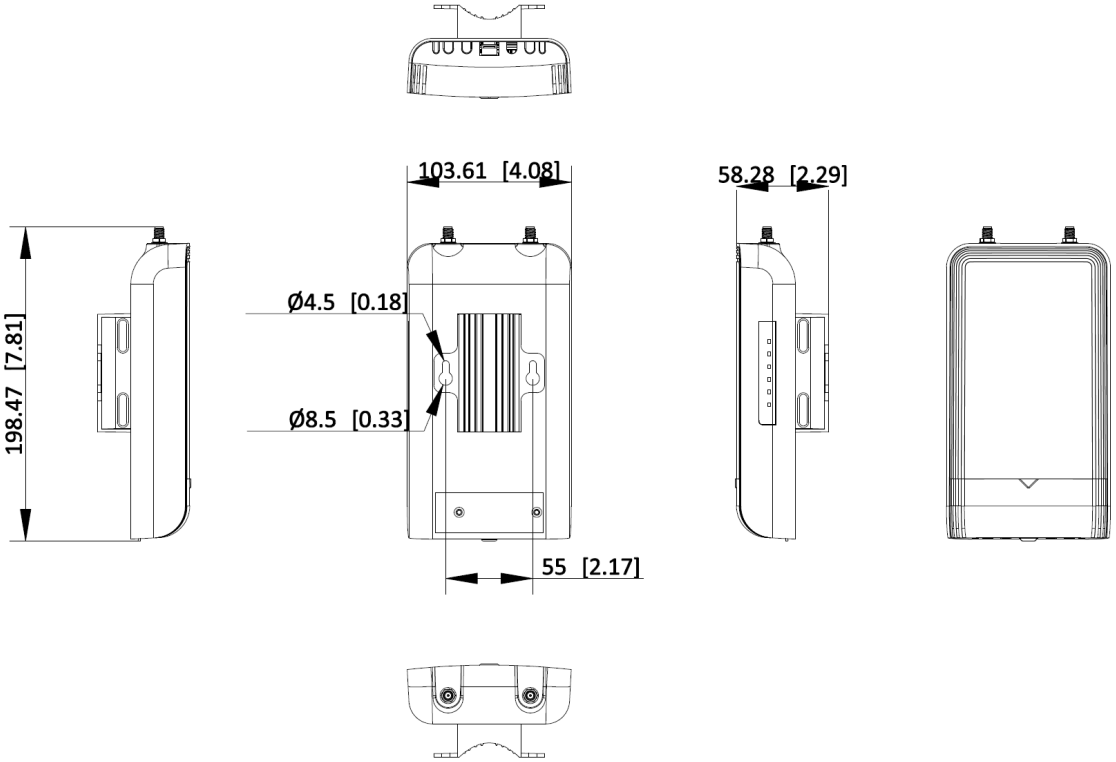
rotectthheswitchfromlightning



■Available Model

DS-3WFB-EI-5ACG

■ Dimension



Accessory

Optional

DS-3WF2000A-360	DS-3WF5000A-120

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