



SN-MD150AS-A-B

Video Doorbell



Key Features

- Powered by PoE or power adapter (12V to 24V AC)
- Support face and human detection
- Support intrusion, smart motion detection and parcel detection
- Support Wi-Fi 802.11 b/g/n
- Two-way audio and voice call through app
- Tamper alarm



Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	5MP, 2880(V) × 1620(H)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	IR cut filter
Wide Dynamic Range	True WDR
Lens	
Lens Type	Fixed focal
Iris	Fixed Iris
Focal Length	1.2 mm
Max. Aperture	F2.0
Field of View (FOV)	H: 120°, V: 180°
Illuminator	
Illuminator Type	IR, Warm light
Illumination Distance	IR distance up to 5 m (16.4 ft) Warm light distance up to 2 m (6.56 ft)
Illumination On/Off Control	Auto/Manual
IR wavelength	850 nm
Smart Function	
Smart Detection	Support face and human detection
Intelligent Analysis	Intrusion detection, Smart motion detection, Parcel detection
Detection Area	1, support detection area selection
Sensitivity	Adjustable
Video and Audio	
Stream/Frame Rate	Stream1: 2880×1620, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30fps Stream2: D1, VGA, CIF @ 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 12 Mbps Stream2: 100 Kbps to 6 Mbps
Smart Encode	Support
Audio Input	1 built-in microphone
Audio Output	1 built-in speaker
Audio Compression	G.711 A-law, G.711 μ-law, RAM PCM

Specification

Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
Network Parameters	
Network Protocol	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SNMP, 802.1x, SNMP, Multicast
Wi-Fi Parameters	
Wi-Fi Standard	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Frequency	2.4 GHz/5 GHz
Security	WPA-PAS/WPA2-PSK
Transmission	IEEE 802.11b: 11 Mbps IEEE 802.11g: 54 Mbps IEEE 802.11n: 150 Mbps
Interface	
Network Interface	1 × RJ45 10/100Base-T Ethernet port, self-adaptive
Alarm Input	1 channel alarm input
RS-485	Supported
Door Lock Interface	Supported
Wiegand Port	Supported (configurable input/output)
Tamper-proof Key	1
Doorbell Key	Supported
SD Card Slot	Built-in microSD slot, supports up to 1TB
Reset Button	1
Doorbell Indicator	Supported
General	
Power Supply	12V–24V AC / PoE (IEEE 802.3af)
Power	Standby: 2.5W (Wi-Fi only) Max: 4W (IR on, speaker on) PoE Max (typ. 80% efficiency): ≤5W
Front Panel	Plastic
Mounting Method	Wall mount; horizontal angle adjustable with included 15° and 30° tilt brackets
Protective Level	IP65
Working Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Working Humidity	Less-than 90% (no-condensing)
Dimension (W × H × D)	51.3 × 34.8 × 136.3 mm (2.02 × 1.37 × 5.37 inch)
Net Weight	Approx. 0.18 kg (0.4 lb)

Specification

Dimensions (mm)

