

# SN-MD150AS-A-B

Video Doorbell



## Key Features

- 1/2.7" progressive scan CMOS
- Max. 5MP(2880×1620) @25/30fps resolution
- Support face, human detection & capture
- Supports human attribute detection
- Support intrusion, smart motion detection, line crossing, and parcel detection
- Support Wi-Fi 802.11 b/g/n
- Supports PoE and 12-24 VAC power input
- Two-way audio and voice call through app
- Tamper alarm
- IP65 protection

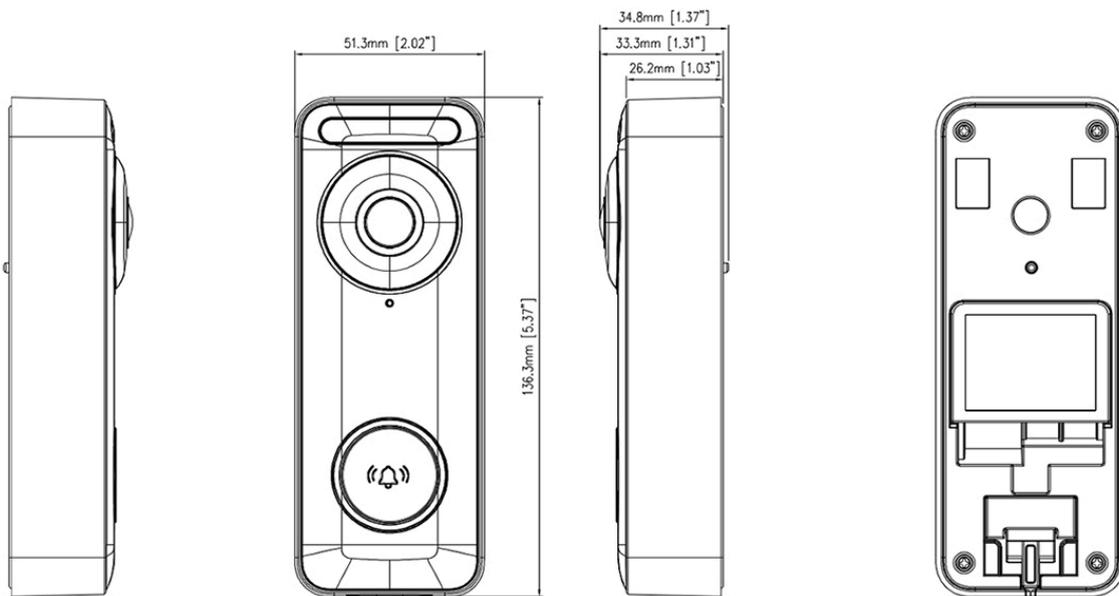
## Specifications

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max Resolution	5MP, 2880(H) × 1620(V)
Shutter Speed	Auto/Manual, 1/5 to 1/20,000s
Min Illumination	Color: 0.03 Lux @ (F1.8, AGC ON), B/W: 0.008 Lux @ (F1.8, AGC ON), 0 Lux with illuminator on
Day & Night	Auto (ICR)
Lens	
Lens Type	Fixed lens, Fixed focal
Focal Length	1.2 mm
Max. Aperture	F1.8
Field of View (FOV)	H: 120°, V: 180°
Iris	Fixed Iris
Illuminator	
Type	IR, Warm light
IR wavelength	850 nm
Distance	IR distance up to 5 m (16.4 ft), Warm light distance up to 2 m (6.56 ft)
Control	Auto/Manual
Intelligent Analytics	
AI Multi-Target	- Supports face, human detection & capture - Supports human attribute detection
Attribute Extraction	Human Attributes: Gender, age, glasses, hat, bag, upper clothing color & style, lower clothing color & style, reflective vest
Intelligent Analysis	Intrusion, smart motion detection, line crossing, and Parcel detection
Video & Audio	
Number of Streams	3 Streams
Resolution	Stream1: 2880×1616, 2304×1296, 1920×1080, 1280×720 Stream2: D1, VGA, 640×360, CIF, QVGA Stream3: VGA, CIF, QVGA
Frame Rate	Up to 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 12 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps

Smart Encoding	Supported
Region of Interest (ROI)	Off/On (8 areas, Rectangle)
Audio Compression	G.711 A-law, G.711 $\mu$ -law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
<b>Event</b>	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, FTP upload, SMTP upload, Snapshot, Audible alarm output, Wiegand output
<b>Network</b>	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Wi-Fi	<p>Wi-Fi Standard:</p> <ul style="list-style-type: none"> <li>- IEEE 802.11b, IEEE 802.11g, IEEE 802.11n</li> </ul> <p>Wi-Fi Frequency:</p> <ul style="list-style-type: none"> <li>- 2.4 GHz/5 GHz</li> </ul> <p>Wi-Fi Security:</p> <ul style="list-style-type: none"> <li>- WPA-PAS/WPA2-PSK</li> </ul> <p>Wi-Fi Transmission:</p> <ul style="list-style-type: none"> <li>- IEEE 802.11b: 11 Mbps</li> <li>- IEEE 802.11g: 54 Mbps</li> <li>- IEEE 802.11n: 150 Mbps</li> </ul>
Application Programming Interface	ONVIF (Profile S/T/G/M), SDK, CGI (Tuya optional)
Max Concurrent Streams	10 channels
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
<b>Interface</b>	
Network Interface	1 $\times$ Ethernet (10/100 Base-T), RJ-45 connector
Built-in Microphone	Supported
Built-in Speaker	Supported
Alarm Interface	1ch input
Door Lock Interface	Supported
Wiegand Port	Supported (configurable input/output)
Tamper-proof Key	1
Doorbell Key	Supported
SD Card Slot	Built-in microSD card slot, up to 1 TB
Reset Button	Supported
Indicator	Supported
<b>General</b>	
Power Supply	12 to 24 VAC / PoE (IEEE 802.3af)
Power Consumption	<p>Standby: 2.5W (Wi-Fi only),</p> <p>Max: 4W (IR on, speaker on),</p> <p>PoE Max (typ. 80% efficiency): <math>\leq</math>5W</p>

Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Operating Humidity	Less-than 90% (no-condensing)
Ingress Protection	IP65
Certifications	CE / FCC
Material	Plastic
Dimensions	51.3 × 34.8 × 136.3 mm (2.02 × 1.37 × 5.37 inch)
Net Weight	Approx. 175 g (0.386 lb)
Mounting Method	Wall mount; horizontal angle adjustable with included 15° and 30° tilt brackets

## Dimensions (mm)



## Accessories

### Optional:



SN-MD001  
Chime