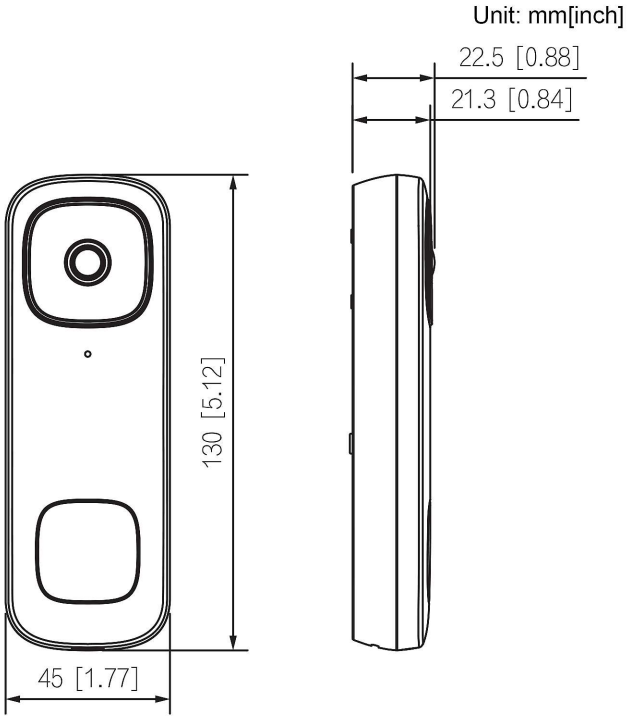
5MP WiFi Video Doorbell





Dual-band WiFi a/b/g/n/ac • 2.4 GHz and 5 GHz • H.265 and H.264 • 2560 x 1920 at 15 fps • 2.2mm Fixed Lens • Built-in Microphone and Speaker • Motion Detection with Human Detection • Built-in White-light / IR LED

Title

The 5MP WiFi Video Doorbell is part of the residential series, featuring motion detection that distinguishes humans from other objects. It transmits video and audio to a mobile device for remote confirmation and communication with visitors. Compatible with Eyemax NVRs/DVRs and the DMSS mobile application.

FEATURES

- 1/2.7-in. 5 MP Progressive-scan CMOS Sensor
- Dual-band WiFi, IEEE802.11a/b/g/n/ac, 2.4 GHz and 5 GHz options
- H.265 and H.264 Dual Video Compression

- 2560 × 1920 at 15 fps Maximum Resolution
- 2.2 mm Fixed Lens
- Built-in Microphone and Speaker for Real-time Communication
- Motion Detection with Human Detection
- Built-in White-light Illuminator for Visual Deterrence
- Maximum IR LED Length 5.0 m (16.50 ft)

SPECIFICATIONS

Camera	
Image Sensor	1/2.7-in. 5 MP CMOS
Effective Pixels	2560 × 1920
RAM/ROM	256 MB / 128 MB
Electronic Shutter Speed	Auto/Manual 1/3 s to 1/100,000 s
Scanning System	Progressive
IR Distance	5.0 m (16.50 ft)
IR Control	Automatic
IR Illuminator	Two (2) LEDs
White-light Illuminator	Built-in, programmable
Built-in Battery	200 mAh Lithium Battery
Lens	
Lens Type	Fixed-focal
Lens Mount	M8
Focal Length	2.2 mm
Maximum Aperture	F2.0
Angle of View	Horizontal: 124° / Vertical: 92° / Diagonal: 164°
Iris Control	Fixed
Close Focus Distance	0.80 m (2.62 ft)
DORI Distances	
Detect (8 ppf)	44.0 m (144.36 ft)
Observe (19 ppf)	17.60 m (57.74 ft)

Recognize (38 ppf)	8.80 m (28.87 ft)
Identify (76 ppf)	4.40 m (14.44 ft)
Video	
Video Compression	H.265, H.264
Resolution	High: 2560 × 1920 at 15 fps Medium: 1440 × 1080 at 15 fps Low: 640 × 480 at 15 fps
Streaming Capability	Two (2) Streams
Frame Rate	Main Stream: 2560 × 1920 at 15 fps Sub Stream: 640 × 480 at 15 fps
Video Bit Rate	H.264: 32 kbps to 8192 kbps H.265: 32 kbps to 8192 kbps
Day/Night	Auto (ICR), Color, B/W
WDR	Digital WDR
Optical Features	White Balance, Smart Illumination
Noise Reduction	3D NR
Motion Detection	On, Off
Audio	
Interface	Input: One (1) Built-in Microphone Output: One (1) Built-in Speaker
Two-way Talk	Three (3) built-in pre-recorded messages plus three (3) customized recorded messages
Compression	G.711A, G.711Mu, PCM
Audio Sampling	8 KHz, 16 KHz, 32 KHz
WiFi	
2.4 GHz IEEE802.11b/g/n	2400 to 2483.5 MHz RF POWER ≤30 dBm
5 GHz IEEE802.11a/n/ac	5150 to 5350 MHz, 5470 to 5725 MHz RF POWER ≤24 dBm 5725 to 5850 MHz RF POWER ≤30 dBm
Network	
Network Protocol	IPv4; IPv6; HTTP;TCP; UDP; ARP; RTP; RTSP; RTCP; DHCP; DNS; DDNS; QoS; NTP; Multicast; ICMP; IGMP
Edge Storage	Micro SD Card Slot, maximum 256 GB
Interoperability	CGI, P2P, SDK, API

Mobile Operating System	IOS, Android
Management Software	DMSS
Compatibility	Eyemax NVR / DVR Series DMSS Mobile Application
Certifications	
Electromagnetic Compatibility (EMC)	47 CFR FCC Part 15, Subpart B; FCC ID: FCC PART 15C; FCC PART 15E
Electrical	
Power Supply	12 VDC to 24 VDC or 16 VAC to 24 VAC, 0.8 A USB (5 VDC±5%, 2 A)[2]
Power Consumption	5 VDC: Basic: 2.3 W Maximum: 3.3 W 12 ~ 24VDC Basic: 2.9 W / Maximum: 4.8 W 16 ~ 24VAC Basic: 2.9 W / Maximum: 4.9 W
Environmental	
Operating Temperature	–20° C to +50° C (–4° F to 122° F), Less than 95% RH
Ingress Protection	IP65
Construction	
Casing	Plastic
Dimensions (L x W x H)	130.0 mm × 45.0 mm × 22.50 mm (5.12 in. × 1.77 in. × 0.88 in.)
Net Weight	0.11 kg (0.24 lb)
Gross Weight	0.51 kg (1.12 lb)
Installation	Surface-mount