

5MP WiFi Video Doorbell (Black Housing)



- 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 x 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)
- Five-year Warranty*

System Overview

The 5MP WiFi Video Doorbell is a component of the Dahua LincX2PRO residential series. The doorbell offers specialized motion detection that distinguishes humans from other objects, and transmits video and audio to a mobile device for remote visual confirmation and communication with visitors. This device is compatible with Dahua NVRs; Dahua X5, X7, and X82 Series HDCVI DVRs, and with the DMSS application.

Technical Specifications

Camera

Image Sensor	1/2.7-in. 5MP CMOS
Effective Pixels	2560 x 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 Distances¹

Detect (8 ppf)	Observe (19 ppf)	Recognize (38 ppf)	Identify (76 ppf)
44.0 m (144.36 ft)	17.60 m (57.74 ft)	8.80 m (28.87 ft)	4.40 m (14.44 ft)

Video

Video Compression	H.265, H.264	
Resolution	High	2560 x 1920 at 15 fps
	Medium	1440 x 1080 at 15 fps
	Low	640 x 480 at 15 fps
Streaming Capability	Two (2) Streams	

Frame Rate	Main Stream	2560 x 1920 at 15 fps
	Sub Stream	640 x 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

	DB6I	DB6I-CAN
2.4 GHz IEEE802.11b/g/n	• 2400 to 2483.5 MHz, RF POWER ≤30 dBm	• 2400 to 2483.5 MHz RF POWER ≤30 dBm
5 GHz IEEE802.11a/n/ac	• 5250 to 5350 MHz • 5470 to 5600 MHz • 5650 to 5725 MHz RF Power ≤24 dBm	• 5250 to 5350 MHz • 5470 to 5600 MHz • 5650 to 5725 MHz RF Power ≤24 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	• Any Dahua NVR • Dahua X5, X7, X82 Series HDCVI DVRs • Dahua DMSS Mobile Application

Certifications

Electromagnetic Compatibility (EMC)	47 CFR FCC Part 15, Subpart B; FCC ID: FCC PART 15C; FCC PART 15E
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LincX2PRO Series | DB6I Series (Black Housing)

Electrical

Power Supply ²		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
	12-24 VDC	Basic: 2.9 W Maximum: 4.8 W
	16-24 VAC	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

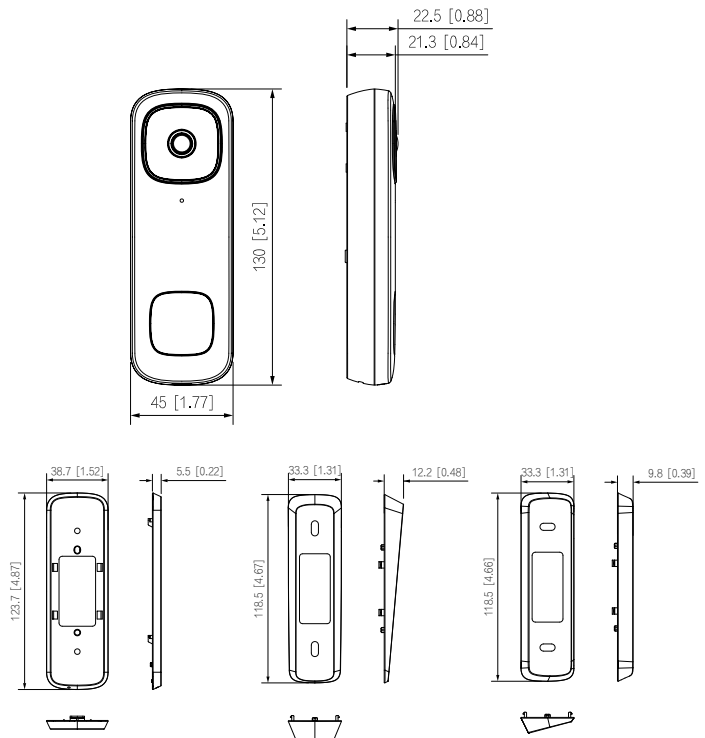
Casing	Plastic
Dimensions (L x W x H)	130.0 mm x 45.0 mm x 22.50 mm (5.12 in. x 1.77 in. x 0.88 in.)
Net Weight	0.11 kg (0.24 lb)
Gross Weight	0.51 kg (1.12 lb)
Installation	Surface-mount

Ordering Information

Type	Part Number	Description
WiFi Video Doorbell	DH-DB6I-USA	5MP WiFi Video Doorbell, 2.4 GHz and 5 GHz Wi-Fi connectivity, two-way talk, Available in USA only
	DB6I-CAN	5MP WiFi Video Doorbell, 2.4 GHz and 5 GHz Wi-Fi connectivity, two-way talk, Complies to Canadian Regulations
Package Contents		<ul style="list-style-type: none"> • Quick Start Guide (QSG) • Video Doorbell • Power Kit for Chime (referred to as a Chime Kit in QSG) • 32 GB Pre-installed MicroSD Card • Wiring Package • 15° Horizontal Bracket • 5° Vertical Bracket • Mounting Kit

Technical Specifications

mm [inch]



1. The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test results according to EN 62676-4, the standard that defines the criteria for the Detect, Observe, Recognize and Identify classifications.
2. Do not supply power to the DB6I via the USB port. Use only the Power Input Ports, as detailed in the Quick Installation Guide, to supply power to the device.