

MTDB5124

5MP WiFi Video Doorbell



- 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)

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

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

Series Overview

The 5MP WiFi Video Doorbell is a component of the Montavue Wifi 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 Montavue NVRs; MontavueGo mobile application.

Technical Specification

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
Max. Aperture	F2.0
Field of View	Horizontal: 124° Vertical: 92° Diagonal: 164°
Iris Control	Fixed

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	MontavueGo
Compatibility	Any Montavue NVR

Ordering Information

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) • Wiring Package • 15° Horizontal Bracket • 5° Vertical Bracket • Mounting Kit
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Technical Specifications

Certification

Electromagnetic Compatibility (EMC)	47 CFR FCC Part 15, Subpart B; FCC ID: FCC PART 15C; FCC PART 15E
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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

Environment

Operating Temperature	-20° C to +50° C (-4° F to 122° F), Less than 95% RH
Ingress Protection	IP65

Structure

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

mm [inch]

