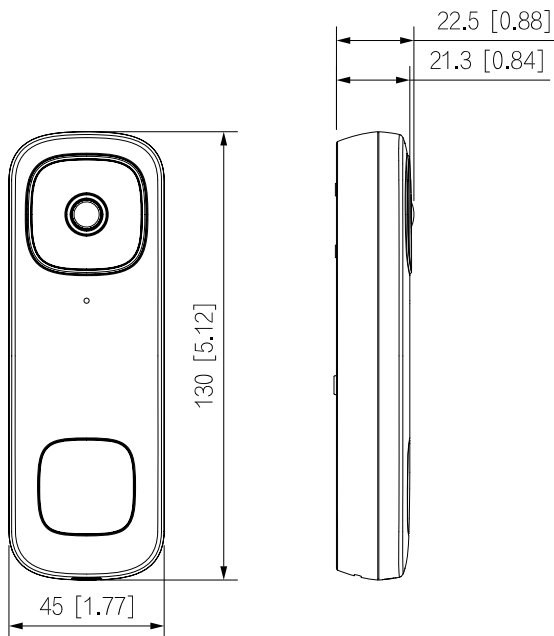


2K Wired Video Doorbell

IPDB-EL5IR22W



- 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.
- 2.4GHz and 5GHz Dual-Band WIFI connection.
- H.264/H.265 codec, high compression rate, ultra-low bit rate.
- Alarm events: Motion detection, human detection, door bell.
- Built-in Microphone and Speaker for Real-time Communication.
- Local storage no monthly fee, support up to 256G microSD card.
- USB (5 VDC±5%, 2 A) and binding post power supply (12–24 VDC/16–24 VAC, 0.8 A).
- IP65 protection.



Technical Specification

Camera

Image Sensor	1/2.7" CMOS
Max. Resolution	2560 (H) × 1920 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Illumination Distance	5 m (16.40 ft) (IR)
Illuminator On/Off Control	Auto
Illuminator Number	2 (IR LED)
Built-in Battery	Supports 200 mAh lithium battery

Lens

Lens Type	Fixed-focal
Lens Mount	M8
Focal Length	2.2 mm
Max. Aperture	2.2 mm: F2.0
Field of View	2.2 mm: Horizontal: 124°; Vertical: 92°; Diagonal: 164°
Iris Control	Fixed
Close Focus Distance	0.8 m (2.62 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.2 mm		44.0 m (144.36 ft)	17.6 m (57.74 ft)	8.8 m (28.87 ft)

Video

Video Compression	H.265; H.264
Video Frame Rate	High: 2K (2560 × 1920)@(15 fps) Medium: 1080p (1440 × 1080)@(15 fps) Low: 640 × 480@(15 fps)
Stream Capability	2 streams
Resolution	2560 × 1920; 1440 × 1080; 640 × 480
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 32 kbps–8192 kbps
Day/Night	Auto (ICR)/Color/B/W
WDR	DWDR
White Balance	Yes
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	OFF/ON
Smart Illumination	Yes

Audio

Built-in MIC	Yes
Built-in Speaker	Yes
Audio Compression	G.711a; G.711Mu; PCM
Audio Sampling	8 KHz; 16 KHz; 32 KHz

Alarm

Alarm Event	Motion detection; human detection; door bell
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Network

Wi-Fi	USA version: WIFI 2.4GHz: IEEE802.11b/g/n 2400-2483.5 MHz, RF POWER ≤ 30 dBm WIFI 5GHz: IEEE802.11a/n/ac 5150-5350 MHz & 5470-5725 MHz, RF POWER ≤ 24 dBm; 5725-5850 MHz, RF POWER ≤ 30 dBm
SDK and API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SFTP; DHCP; DNS; DDNS; QoS; NTP; Multicast; ICMP; IGMP
Interoperability	CGI; P2P
Storage	Micro SD card (support max. 256 GB)
Browser	NA
Management Software	NVR; DMSS
Mobile Client	iOS; Android

Certifications

Certifications	FCC: 47 CFR FCC Part 15, Subpart B; FCC ID: FCC PART 15C;
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Power

Power Supply	USB (5 VDC±5%, 2 A) and binding post power supply (12–24 VDC/16–24 VAC, 0.8 A).
Power Consumption	Basic: 2.3 W (5 VDC); 2.9 W (12–24 VDC); 2.9 W (16–24 VAC, active power) Max. (IR + white light + alarm on): 3.3 W (5 VDC); 4.8 W (12–24 VDC); 4.9 W (16–24 VAC, active power)

Environment

Operating Humidity	≤ 95%
Operating Temperature	–20 °C to +50 °C (–4 °F to +122 °F)
Protection	IP65

Structure

Casing	Plastic
Product Dimensions	130 mm × 45 mm × 22.5 mm (5.1" × 1.8" × 0.9") (L × W × H)
Net Weight	0.11 kg (0.2 lb)
Gross Weight	0.51 kg (1.1 lb)

Installation

