



## PSS2KDB-ChimeV2



### Wi-Fi Video Doorbell

- 1/2.7" 5MP progressive scan CMOS sensor
- Dual-band Wi-Fi, IEEE802.11a, b, g, n, ac, 2.4 GHz & 5 GHz options
- Motion detection with human detection

### Wireless Chime 2

- Built-in speaker
- 11 Ringtone options
- Snooze Alert: Set times to silence chime alerts



## Specifications

| 5MP Wi-Fi Video Doorbell Camera |                                                                              |                 |                    |                  | PSS2KDB-ChimeV2 |  |  |  |  |
|---------------------------------|------------------------------------------------------------------------------|-----------------|--------------------|------------------|-----------------|--|--|--|--|
| Image Sensor                    | 1/2.7" 5MP CMOS                                                              |                 |                    |                  |                 |  |  |  |  |
| Effective Pixels                | 2560 x 1920                                                                  |                 |                    |                  |                 |  |  |  |  |
| RAM                             | 256MB                                                                        |                 |                    |                  |                 |  |  |  |  |
| ROM                             | 128MB                                                                        |                 |                    |                  |                 |  |  |  |  |
| Electronic Shutter Speed        | Auto, manual 1/3s ~ 1/100,000                                                |                 |                    |                  |                 |  |  |  |  |
| Scanning System                 | Progressive                                                                  |                 |                    |                  |                 |  |  |  |  |
| IR Distance                     | 5.0m (16.50ft)                                                               |                 |                    |                  |                 |  |  |  |  |
| 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                    | 2.2m                                                                         |                 |                    |                  |                 |  |  |  |  |
| Max. Aperture                   | F2.0                                                                         |                 |                    |                  |                 |  |  |  |  |
| Angle of View                   | Horizontal: 124°<br>Vertical: 92°<br>Diagonal: 164°                          |                 |                    |                  |                 |  |  |  |  |
| Iris Control                    | Fixed                                                                        |                 |                    |                  |                 |  |  |  |  |
| Close Focus Distance            | 0.80m (2.62ft)                                                               |                 |                    |                  |                 |  |  |  |  |
| DORI Distance                   | Detect (8 ppf)                                                               | Observe (19ppf) | Recognize (38 ppf) | Identify (76ppf) |                 |  |  |  |  |
|                                 | 44.0m (144.36ft)                                                             | 17.6m (57.74ft) | 8.80m (28.87ft)    | 4.40m (14.44ft)  |                 |  |  |  |  |
| Video                           |                                                                              |                 |                    |                  |                 |  |  |  |  |
| Video Compression               | H.265, H.264                                                                 |                 |                    |                  |                 |  |  |  |  |
| Resolution                      | High: 2560 x 1920@15fps<br>Medium: 1440 x 1080@15fps<br>Low: 640 x 480@15fps |                 |                    |                  |                 |  |  |  |  |



|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| Streaming Capability        | Two (2) Streams                                                                                    |
| Frame Rate                  | Main Stream: 2560 x 1920@15fps<br>Sub Stream: 640 x 480@15fps                                      |
| Video Bit Rate              | H.264: 32 Kbps ~ 8192 Kbps<br>H.265: 32 Kbps ~ 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                                                                                            |
| <b>Audio</b>                |                                                                                                    |
| Interface                   | Input: One (1) Built-in Mic<br>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, 16KHz, 32 KHz                                                                               |
| <b>Wi-Fi</b>                |                                                                                                    |
| 2.4 GHz (IEEE802.11b, g, n) | 2400 ~ 2483.5 MHz<br>RF Power ≤30 dBm                                                              |
| 5 GHz (IEEE802.11a, n, ac)  | 5150 ~ 5350 MHz, 5470 ~ 5725 MHz<br>RF Power ≤24 dBm<br>5725 ~ 5850 MHz<br>RF Power ≤30 dBm        |
| <b>Network</b>              |                                                                                                    |
| 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, max. 256GB                                                                     |
| Interoperability            | CGI, P2P, SDK, API                                                                                 |
| Mobile Operating System     | iOS & Android                                                                                      |
| Management Software         | DMSS                                                                                               |
| Compatibility               | HDCVI DVRs, 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 ~ 24 VDC, 16 VAC ~ 24 VAC, 0.8A  
USB (5VDC $\pm$ 5%, 2 A)<sup>2</sup>

Power Consumption

5 VDC: Basic: 2.3W, max. 3.3W  
12 ~ 24 VDC: Basic 2.9W, max. 4.8W  
16 ~ 24 VAC: Basic 2.9W, max. 4.9W

### Environmental

Operating Temperature

-20°C ~ +50° (-4°F ~ 122°F), Less than 95% RH

Ingress Protection

IP65

### Construction

Casing

Plastic

Dimensions

130.0mm x 45.0mm x 22.50mm (5.12" x 1.77" x 0.88") (L x W x H)

Net Weight

0.11 kg (0.24lb)

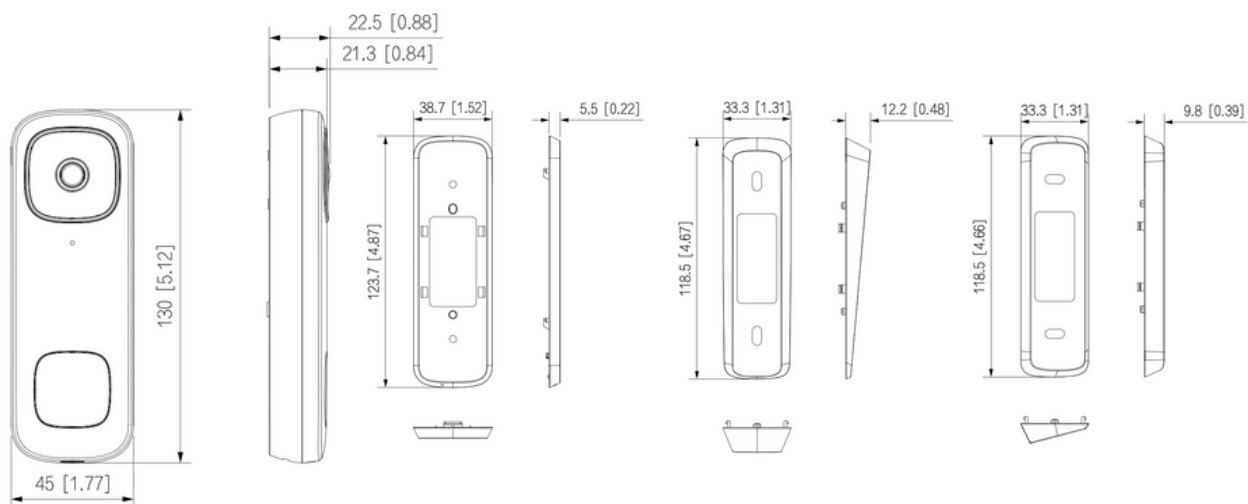
Gross Weight

0.51 kg (1.12lb)

Installation

Surface-mount

### Dimensions for Doorbell



**Wi-Fi Doorbell Chime 2  
Audio**

|                  |     |
|------------------|-----|
| Built-in Speaker | Yes |
|------------------|-----|

**Function**

|                 |                |
|-----------------|----------------|
| Indicator Light | Bi-Color Light |
|-----------------|----------------|

**Network**

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Management Software | DMSS                                             |
| Wi-Fi               | Supported                                        |
| Wireless Standard   | IEEE802.11b,g,n                                  |
| Frequency Range     | 2.4 GHz                                          |
| Security Encryption | WPS, WPA-PSK, WPA2-PSK, WPA/WPA2, 64/128 Bit WEP |
| Network Update      | Supported                                        |

**Electrical**

|                   |                        |
|-------------------|------------------------|
| Power Supply      | 100 ~ 240 VAC 50/60 Hz |
| Power Consumption | <5                     |

**Environmental**

|                       |                                |
|-----------------------|--------------------------------|
| Operating Temperature | -10°C ~ +45°C (14°F ~ +113°F)  |
| Operating Humidity    | 20% ~ 95% (RH), non-condensing |

**Construction**

|                      |                                               |
|----------------------|-----------------------------------------------|
| Casing Material      | Plastic + Cloth                               |
| Net Weight           | 0.1 kg (0.22lb)                               |
| Gross Weight         | 0.2 kg (0.44lb)                               |
| Product Dimensions   | 95mm x 51mm x 31mm (3.74" x 2.00" x 1.22")    |
| Packaging Dimensions | 187mm x 65mm x 56.5mm (7.36" x 2.56" x 2.22") |

**Certifications**

|     |                                               |
|-----|-----------------------------------------------|
| FCC | 47 CFR FCC Part 15, Subpart B<br>FCC Part 15C |
|-----|-----------------------------------------------|



Dimensions for Chime

