# 35 SERIES
# HC35WB3R2
# HC35WB5R2
# HC35WB8R2




## 3MP/5MP/8MP IP WDR IR MFZ Bullet Camera

SECURE BY DEFAULT | ONVIF | SGT | 5 YEAR WARRANTY

### OPERATIONAL

| | |
|---|---|
| **Video Standard** | NTSC / PAL |
| **Scanning System** | Progressive |
| **Image Sensor** | **HC35WB3R2**: 1/2.7" CMOS<br>**HC35WB5R2/HC35WB8R2**: 1/2.8" CMOS |
| **Sensor Size (H x V)** | **HC35WB3R2**: 4.608 mm x 2.592 mm<br>**HC35WB5R2**: 5.184 mm x 3.888 mm<br>**HC35WB8R2**: 5.568 mm x 3.132 mm |
| **Number Of Pixels(H x V)** | **HC35WB3R2**: 2304 x 1296<br>**HC35WB5R2**: 2592 x 1944<br>**HC35WB8R2**: 3840 x 2160 |
| **Minimum Illumination (Color/BW)** | **HC35WB3R2/HC35WB5R2**: 0.005 Lux/F1.6 (Color,30 IRE), 0 Lux/F1.6 (IR ON)<br>**HC35WB8R2**: 0.007Lux/F1.6 (Color,30 IRE), 0 Lux/F1.6(IR ON) |
| **S/N Ratio** | 50 dB |
| **Electronic Shutter Speed** | 1/8 ~ 1/32,000 |
| **IR Distance** | up to 60 m |
| **IR Light Control** | Smart IR (Auto / Manual) / OFF |
| **IR Light Number** | 4 |
| **Day/Night** | Auto (ICR) / Color / BW |
| **Backlight Compensation** | WDR, BLC, HLC |
| **White Balance** | Auto/Tungsten/ Fluorescent/ Daylight/Shadow/Manual |
| **Gain Control** | 0-100% |
| **Wide Dynamic Range** | 120 dB |
| **Noise Reduction** | 2D/3D DNR |
| **Lens** | 2.7-13.5 mm, DC-Iris, F1.6-F3.3, MFZ |
| **Angle Of View** | **HC35WB3R2**: H:81°-24°, V:44°-14°<br>**HC35WB5R2**: H:88°-26°, V:65°-20°<br>**HC35WB8R2**: H:98°-31°, V:51°-17° |
| **Privacy Masking** | Off / On (4 Areas) |
| **Defog** | **HC35WB3R2**: Not supported<br>**HC35WB5R2/HC35WB8R2**: Supported |
| **Local Storage** | Micro SD (up to 256 GB) |
| **Alarm Inputs/Outputs** | **HC35WB3R2**: Not supported<br>**HC35WB5R2/HC35WB8R2**: 1 In / 1 Out |

*For detailed information about frame rate and bit rate, please refer to the User Guide.
** Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

### VIDEO

| | | |
|---|---|---|
| **Video Compression** | H.265 HEVC/H.264/MJPEG, Smart Codec | |
| **Resolution** | HC35WB3R2 | 1st: 2304 x 1296 / 1920 x 1080 / 1280 x 720<br>2nd: 704 x 576(PAL) / 704 x 480(NTSC) / 640 x 480 / 352 x 288(PAL) / 352 x 240(NTSC)<br>3rd: 640 x 480 / 352 x 288(PAL) / 352 x 240(NTSC) / 320 x 240 |
| | HC35WB5R2 | 1st: 2592 x 1944 / 2592 x 1520 / 1920 x 1080 / 1280 x 720<br>2nd: 704 x 576(PAL) / 704 x 480(NTSC) / 640 x 480 / 352 x 288(PAL) / 352 x 240(NTSC)<br>3rd: 1920 x 1080 (MAX 12 fps) / 640 x 480/352 x 288(PAL) / 352 x 240(NTSC) / 320 x 240 |
| | HC35WB8R2 | 1st: 3840 x 2160 / 2592 x 1944 / 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720<br>2nd: 704 x 576(PAL) / 704 x 480(NTSC) / 640 x 480 / 352 x 288(PAL) / 352 x 240(NTSC)<br>3rd: 640 x 480 / 352 x 288(PAL) / 352 x 240(NTSC) / 320 x 240 |
| **Number of Video Streams** | 3 (2 for encryption) | |
| **Frame Rate*** | MAX 30 fps | |
| **Bit Rate*** | **HC35WB3R2**: 100K ~ 6 Mbps<br>**HC35WB5R2**: 100K~12 Mbps<br>**HC35WB8R2**: 100k~16 Mbps | |

### AUDIO

| | |
|---|---|
| **Audio Compression** | **HC35WB3R2**: Not supported<br>**HC35WB5R2/HC35WB8R2**: G.711A/G.711U |
| **Audio Stream** | **HC35WB3R2**: Not supported<br>**HC35WB5R2/HC35WB8R2**: 2-Way, Full duplex |
| **Audio Interface** | **HC35WB3R2**: Not supported<br>**HC35WB5R2/HC35WB8R2**: Line In/Out |

### NETWORK

| | |
|---|---|
| **Ethernet** | 10 Base-T/100 Base-TX Ethernet (RJ-45) |
| **Supported Web Browsers** | Chrome/Edge |
| **Supported OS** | Microsoft Windows 10 |
| **Protocols**** | IPv4, IPv6, TCP / IP, HTTP, HTTPS, RTSP / RTP / RTCP, IGMP / Multicast, SMTP, DHCP, NTP, DNS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS |
| **Interoperability** | ONVIF Profile G/S/T |
| **Maximum Users Access** | 10 Users |
| **Security** | User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2 only, Stream encryption, AES128 / 256, SSH / Telnet closed, PCI-DSS compliance |
| **Languages Supported** | Arabic, Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Spanish, Turkish |

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# 35 SERIES 3MP/5MP/8MP IP WDR IR MFZ BULLET CAMERA

## EVENTS / ANALYTICS

| | |
|---|---|
| **Built-in Video Analytics** | HC35WB3R2: Motion Detection, Tampering<br>HC35WB5R2/HC35WB8R2: People Counter, Multi Loitering, Intrusion, Tampering, Smart Motion Detection (SMD), Motion Detection |
| **Event Type** | HC35WB3R2: Video motion detection,Recording notification<br>HC35WB5R2/HC35WB8R2: Video motion detection, Alarm input, Recording notification, Tampering |
| **Event Linkage** | HC35WB3R2: Event notification using Email and MicroSD card<br>HC35WB5R2/HC35WB8R2: Event notification using digital output, Email and MicroSD card |
| **Region Of Interest** | 8 |

## ELECTRICAL

| | |
|---|---|
| **Power Supply** | DC12V, PoE (IEEE 802.3af) (Class 0) |
| **Power Consumption (Max)** | HC35WB3R2: MAX 5.5W<br>HC35WB5R2: MAX 6W<br>HC35WB8R2: MAX 7.3W |

## MECHANICAL

| | |
|---|---|
| **Dimensions** | Ø87.0 mm × 232.0 mm (Ø3.43" × 9.13") |
| **Product Weight** | 0.92 kg (2.03 lb) |
| **Package Weight** | 1.05 kg (2.31 lb) |
| **Body Material** | Die-cast aluminium housing |
| **Color** | Camera Body: RAL 9003 (Signal White)<br>Front/Lens Facings: Pantone Black |

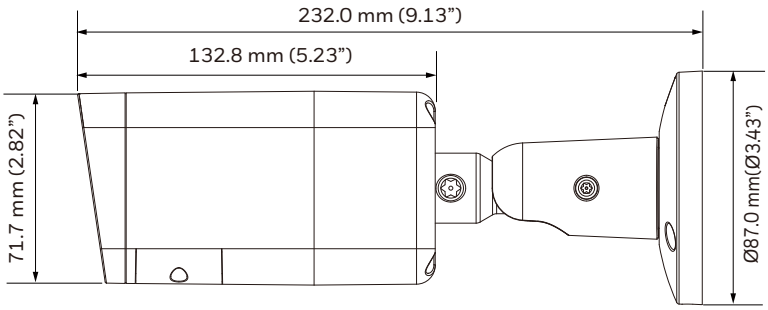
## ENVIRONMENTAL

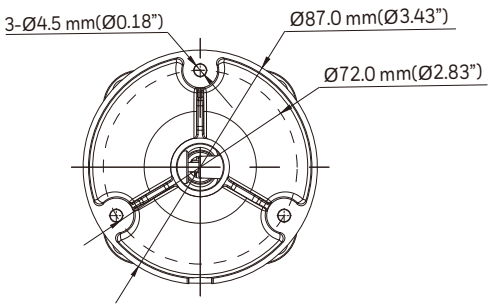
| | |
|---|---|
| **Operating Temperature** | Starting Temperature:<br>-40°C ~ 60°C (-40°F ~ 140°F)<br>Working Temperature:<br>-40°C ~ 60°C (-40°F ~ 140°F) (IR off) |
| **Relative Humidity** | Less than 90 %, non-condensing |
| **Ingress Protection** | IP66/IP67 |

## REGULATORY

| | |
|---|---|
| **Emissions** | FCC PART 15, CE (EN 55032), Complies with RCM and UKCA |
| **Immunity** | CE(EN 50130-4), Complies with RCM and UKCA |
| **Safety** | UL LISTED TO UL/CSA 62368-1, CE(EN 62368-1), Complies with RCM and UKCA |
| **RoHs** | CE (EN 63000), UAE (Cabinet Decree No.10 of 2017) |
| **Country of Origin** | Vietnam |

# DIMENSIONS



# 35 SERIES 3MP/5MP/8MP IP WDR IR MFZ BULLET CAMERA

## RECOMMENDED ACCESSORIES AND ORDERING

| SYSTEM INTEGRATION* | |
|---|---|
| **Pro-Watch NVR** | Up to 256 IP channels RAID5 / 6 Enterprise NVR |
| **MAXPRO NVR PE** | Up to 128 IP channels RAID5 / 6 Enterprise NVR |
| **MAXPRO NVR SE** | Up to 64 IP channels System NVR |
| **MAXPRO NVR XE** | Up to 16 IP channels System NVR |
| **MAXPRO NVR SOFTWARE** | Up to 128 IP channels Recording Software |
| **ADPRO NVR FASTTRACE 2E** | Up to 32 IP channels with up to 32 VA channels NVRs |
| **ADPRO NVR iFT-E** | Up to 32 IP channels with up to 32 VA channels NVRs |
| **ADPRO NVR iFT** | Up to 32 IP channels or 16 IP channels with up to 16 VA channels NVRs |
| **ADPRO NVR iFT GATEWAY** | 4 IP channels + 4 VA channels |
| **Honeywell DVM** | Support with Honeywell DVM R710.1 (and later maintenance releases) |
| **30 Series NVR** | Integration with 30 Series NVR |
| **35 Series NVR**** | Integration with 35 Series NVR |

*Refer to the NVR integration matrix for more information.
**35 Series NVR will be released in June 2022.

| OPTIONAL MOUNTS AND ACCESSORIES | |
|---|---|
| **HA60JCBH1** | 60S junction box |
| **HA60PLMZ** | 60S pole mount adapter |
| **HA60CNMZ** | 60S corner mount adapter |

| ORDERING | |
|---|---|
| **HC35WB3R2** | 3 MP IR MFZ Bullet Camera, WDR 120dB, 2.7-13.5 mm, POE, DC12V |
| **HC35WB5R2** | 5 MP IR MFZ Bullet Camera, WDR 120dB, 2.7-13.5 mm, POE, DC12V, Audio & Alarm In/Out |
| **HC35WB8R2** | 8 MP IR MFZ Bullet Camera, WDR 120dB, 2.7-13.5 mm, POE, DC12V, Audio & Alarm In/Out |

**For More Information**
www.security.honeywell.com/uk
buildings.honeywell.com/security

**Honeywell Commercial Security**
Building 5 Carlton Park
King Edward Avenue
Narborough, Leicester
LE19 0AL
Tel: +44 (0)1163 500714
www.honeywell.com

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