

# 35 SERIES

## HC35WE3R2

## HC35WE5R2

## HC35WE8R2

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

| OPERATIONAL                     |                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Video Standard                  | NTSC/PAL                                                                                                                           |
| Scanning System                 | Progressive                                                                                                                        |
| Image Sensor                    | HC35WE3R2: 1/2.7" CMOS<br>HC35WE5R2/HC35WE8R2: 1/2.8" CMOS                                                                         |
| Sensor Size (H x V)             | HC35WE3R2: 4.608 mm x 2.592 mm<br>HC35WE5R2: 5.184 mm x 3.888 mm<br>HC35WE8R2: 5.568 mm x 3.132 mm                                 |
| Number Of Pixels(H x V)         | HC35WE3R2: 2304 x 1296<br>HC35WE5R2: 2592 x 1944<br>HC35WE8R2: 3840 x 2160                                                         |
| Minimum Illumination (Color/BW) | HC35WE3R2/HC35WE5R2: 0.005 Lux/F1.6 (Color,30IRE), 0 Lux/F1.6 (IR ON)<br>HC35WE8R2: 0.007 Lux/F1.6(color,30IRE), 0 Lux/F1.6(IR ON) |
| S/N Ratio                       | 50 dB                                                                                                                              |
| Electronic Shutter Speed        | 1/8 ~ 1/32,000                                                                                                                     |
| IR Distance                     | up to 50 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                            | 2.7-13.5mm, DC-Iris, F1.6-F3.3, MFZ                                                                                                |
| Angle Of View                   | HC35WE3R2: H:81°-24°, V:44°-14°<br>HC35WE5R2: H:87°-25°, V:63°-19°<br>HC35WE8R2: H:98°-31°, V:51°-17°                              |
| Privacy Masking                 | Off / On (4 Areas)                                                                                                                 |
| Defog                           | HC35WE3R2: Not supported<br>HC35WE5R2/HC35WE8R2: Supported                                                                         |
| Local Storage                   | Micro SD (up to 256 GB)                                                                                                            |
| Alarm Inputs/Outputs            | HC35WE3R2: Not supported<br>HC35WE5R2/HC35WE8R2: 1In / 1 Out                                                                       |
| Pan Range                       | 0°-360°                                                                                                                            |
| Tilt Range                      | 0°-80°                                                                                                                             |
| Rotation Range                  | 0°-360°                                                                                                                            |



| VIDEO                   |                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression       | H.265 HEVC/H.264/MJPEG, Smart Codec                                                                                                                                                                                                                                     |
| Resolution              | HC35WE3R2<br>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                                                       |
|                         | HC35WE5R2<br>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                |
|                         | HC35WE8R2<br>1st: 3840 x 2160 / 2592 x 1944 / 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920x1080 / 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 30fps                                                                                                                                                                                                                                                               |
| Bit Rate*               | HC35WE3R2: 100K ~ 6Mbps<br>HC35WE5R2: 100K~12Mbps<br>HC35WE8R2: 100k~16Mbps                                                                                                                                                                                             |
| AUDIO                   |                                                                                                                                                                                                                                                                         |
| Audio Compression       | HC35WE3R2: Not supported<br>HC35WE5R2/HC35WE8R2: G.711A/G.711U                                                                                                                                                                                                          |
| Audio Stream            | HC35WE3R2: Not supported<br>HC35WE5R2/HC35WE8R2: 2-Way, Full duplex                                                                                                                                                                                                     |
| Audio Interface         | HC35WE3R2: Not supported<br>HC35WE5R2/HC35WE8R2: 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 / Multi-cast, 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                                                                                                                                        |

\*For detailed information about frame rate and bit rate, please refer to the User Guide.

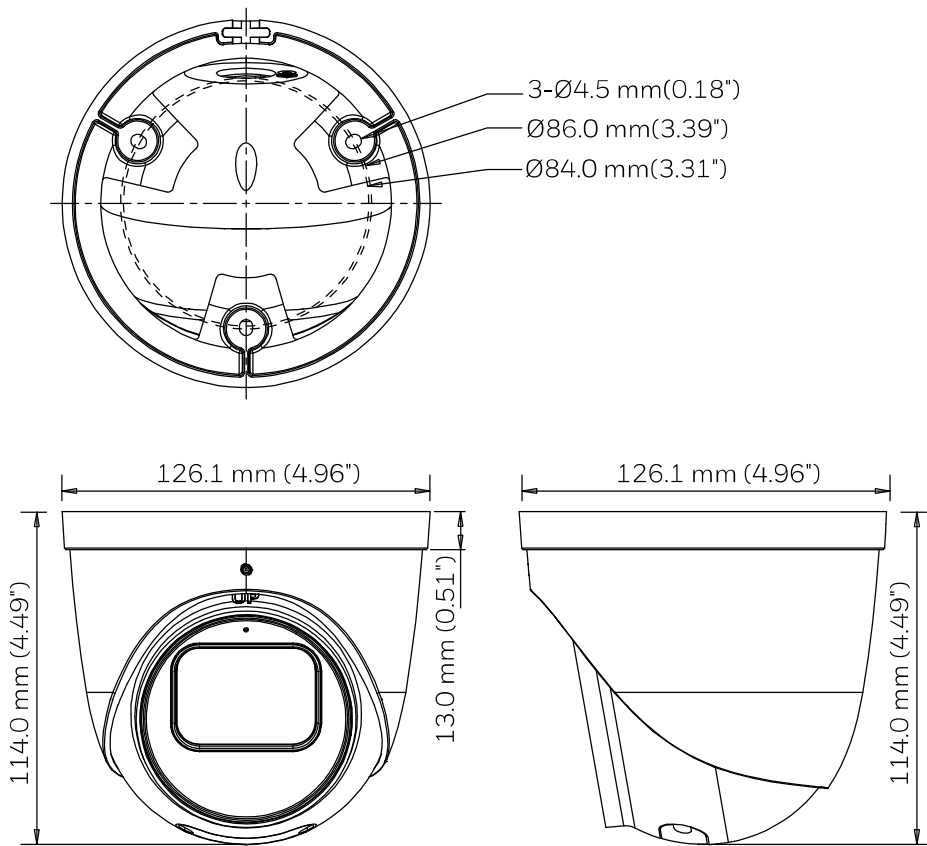
\*\*Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

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| EVENTS / ANALYTICS       |                                                                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Built-in Video Analytics | HC35WE3R2: Motion Detection, Tampering<br>HC35WE5R2/HC35WE8R2: People Counter, Multi Loitering, Intrusion, Tampering, Smart Motion Detection (SMD), Motion Detection |
| Event Type               | HC35WE3R2:<br>Video motion detection, Recording notification<br>HC35WE5R2/HC35WE8R2:<br>Video motion detection, Alarm input, Recording notification, Tampering       |
| Event Linkage            | HC35WE3R2:<br>Event notification using Email and MicroSD card<br>HC35WE5R2/HC35WE8R2:<br>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)  | HC35WE3R2: Max 5.5W<br>HC35WE5R2: Max 6.11 W<br>HC35WE8R2: Max 6.7W                                                                                                  |
| MECHANICAL               |                                                                                                                                                                      |
| Dimensions               | Ø126.1 mm x 114.0 mm (Ø4.96" x 4.49")                                                                                                                                |
| Product Weight           | 0.98 kg (2.16 lb)                                                                                                                                                    |
| Package Weight           | 1.1 kg (2.43 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: -40°C ~ 60°C (-40°F ~ 140°F)<br>Working Temperature: -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 BALL CAMERA

### RECOMMENDED ACCESSORIES

| SYSTEM INTEGRATION*    |                                                                       | OPTIONAL MOUNTS AND ACCESSORIES |                                       |
|------------------------|-----------------------------------------------------------------------|---------------------------------|---------------------------------------|
| Pro-Watch NVR          | Up to 256 IP channels RAID5 / 6 Enterprise NVR                        | HA35PMC02                       | 35S MFZ Camera Cap, 1.5NPT Male       |
| MAXPRO NVR PE          | Up to 128 IP channels RAID5 / 6 Enterprise NVR                        | HA35CLM01                       | 35S Ceiling Mount Base with Adapter   |
| MAXPRO NVR SE          | Up to 64 IP channels System NVR                                       | HA35CLM02                       | 35S Ceiling Mount Extension ,252mm    |
| MAXPRO NVR XE          | Up to 16 IP channels System NVR                                       | HA60JCBH1                       | 60S Junction Box                      |
| MAXPRO NVR SOFTWARE    | Up to 128 IP channels Recording Software                              | HA60WLMB1                       | 60S Wall Mount Bracket, 1.5NPT female |
| ADPRO NVR FASTTRACE 2E | Up to 32 IP channels with up to 32 VA channels NVRs                   | HA60PLMZ                        | 60S Pole Mount Adapter                |
| ADPRO NVR iFT-E        | Up to 32 IP channels with up to 32 VA channels NVRs                   | HA60CNMZ                        | 60S Corner Mount Adapter              |
| 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.

| ORDERING  |                                                                                 |
|-----------|---------------------------------------------------------------------------------|
| HC35WE3R2 | 3 MP IR MFZ Ball Camera, WDR 120dB, 2.7-13.5 mm, PoE, DC12V                     |
| HC35WE5R2 | 5 MP IR MFZ Ball Camera, WDR 120dB, 2.7-13.5 mm, PoE, DC12V, Audio&Alarm In/Out |
| HC35WE8R2 | 8 MP IR MFZ Ball Camera, WDR 120dB, 2.7-13.5 mm, PoE, DC12V, Audio&Alarm In/Out |

#### For more information

[buildings.honeywell.com/security](https://buildings.honeywell.com/security)

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