

# 35 SERIES

## HC35W45R2

### 5MP IP WDR IR Rugged Mini Dome Camera



| OPERATIONAL                     |                                                        |
|---------------------------------|--------------------------------------------------------|
| Video Standard                  | NTSC / PAL                                             |
| Scanning System                 | Progressive                                            |
| Image Sensor                    | 1/2.8" CMOS                                            |
| Sensor Size (H x V)             | 5.184 mm x 3.888 mm                                    |
| Number Of Pixels (H x V)        | 2592 x 1944                                            |
| Minimum Illumination (Color/BW) | 0.005 Lux / 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 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                            | 2.7-13.5 mm, DC-Iris,F1.6-F3.3, MFZ                    |
| Angle Of View                   | H:96°-26°, V:69°-20°                                   |
| Privacy Masking                 | Off / On (4 Areas)                                     |
| Defog                           | Supported                                              |
| Local Storage                   | Micro SD (up to 256 GB)                                |
| Alarm Inputs/Outputs            | 1 In / 1 Out                                           |
| Pan Range                       | 0°-355°                                                |
| Tilt Range                      | 0°-75°                                                 |
| Rotation Range                  | 0°-354°                                                |

| VIDEO                   |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression       | H.265 HEVC/H.264/MJPEG, Smart Codec                                                                                                                                                                                                                 |
| Resolution              | 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 |
| Number of Video Streams | 3 (2 for encryption)                                                                                                                                                                                                                                |
| Frame Rate*             | MAX 30 fps                                                                                                                                                                                                                                          |
| Bit Rate*               | 100K~12 Mbps                                                                                                                                                                                                                                        |

| AUDIO             |                    |
|-------------------|--------------------|
| Audio Compression | G.711A / G.711U    |
| Audio Stream      | 2-Way, Full duplex |
| Audio Interface   | 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/M                                                                                                                                                |
| 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.

## 35 SERIES 5MP IP WDR IR RUGGED MINI DOME CAMERA

| EVENTS / ANALYTICS       |                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Built-in Video Analytics | People Counter, Multi Loitering, Intrusion, Scene Change, Smart Motion Detection (SMD), Motion Detection, Face Detection, Line Crossing Detection |
| Event Type               | Video motion detection, Alarm input, Recording notification, Scene change                                                                         |
| Event Linkage            | Event notification using digital output, Email and MicroSD card                                                                                   |
| Region Of Interest       | 8                                                                                                                                                 |

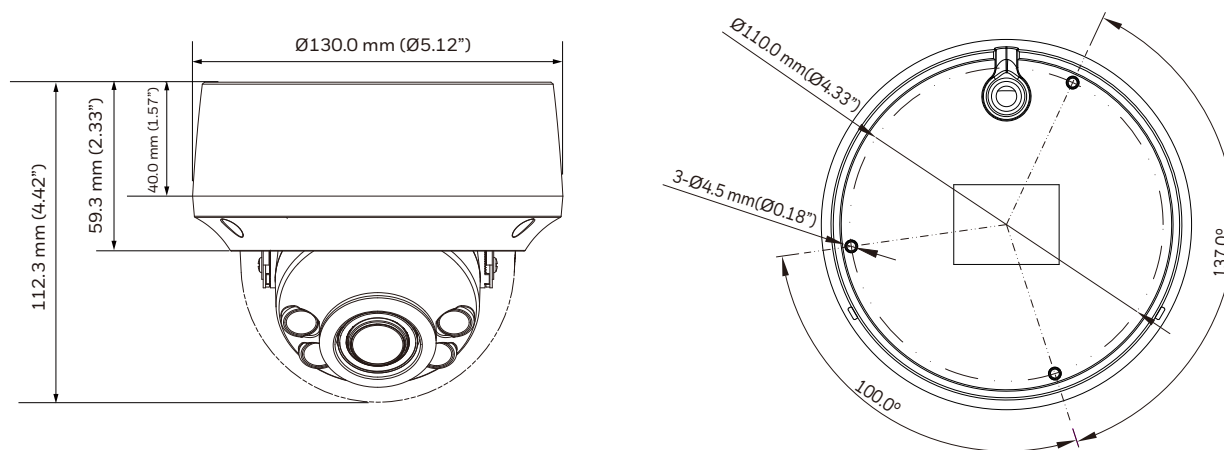
| ELECTRICAL              |                                     |
|-------------------------|-------------------------------------|
| Power Supply            | DC12V, PoE (IEEE 802.3af) (Class 0) |
| Power Consumption (Max) | MAX 6 W                             |

| MECHANICAL     |                                                                        |
|----------------|------------------------------------------------------------------------|
| Dimensions     | Ø130.0 mm × 112.3 mm (Ø5.12" × 4.42")                                  |
| Dome Diameter  | Ø96.0 mm (3.78")                                                       |
| Product Weight | 0.86 kg (1.90 lb)                                                      |
| Package Weight | 1.05 kg (2.31 lb)                                                      |
| Body Material  | Die-cast aluminium housing                                             |
| Color          | Camera Body: RAL 9003 (Signal White) 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) |
| Relative Humidity     | Less than 90 %, non-condensing                                                                          |
| Ingress Protection    | IP66/IP67                                                                                               |
| Impact Resistance     | IK10                                                                                                    |

| 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 5MP IP WDR IR RUGGED MINI DOME CAMERA

## RECOMMENDED ACCESSORIES

| 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.

| OPTIONAL MOUNTS AND ACCESSORIES** |                                       |
|-----------------------------------|---------------------------------------|
| HA35PMC02                         | 35S MFZ camera cap, 1.5NPT male       |
| HA60JCBH1                         | 60S junction box                      |
| HA35CLM01                         | 35S ceiling mount base with adapter   |
| HA35CLM02                         | 35S ceiling mount extension, 252mm    |
| HA60WLMB1                         | 60S wall mount bracket, 1.5NPT female |
| HA60PLMZB                         | 60S pole mount bracket                |
| HA60CNMZ                          | 60S corner mount adapter              |
| HA354SC01                         | 35S 4S box cover                      |
| HA35JCBHDV                        | 35S MFZ dome junction box             |
| HA35JCBWML                        | 35S wall mount bracket                |
| HA35ICK                           | Dome in-ceiling mount bracket         |

\*\*Mounting accessories are not included with camera and must be ordered separately. Please refer to the cross reference matrix or accessories datasheet for detailed information.

| ORDERING  |                                                                                         |
|-----------|-----------------------------------------------------------------------------------------|
| HC35W45R2 | 5 MP IR MFZ Dome Camera, WDR 120dB, 2.7-13.5 mm, PoE, DC12V, Audio & Alarm In/Out, IK10 |

### For more information,

<https://honeywellbuildings.in>

Call: 000-8000-502167

Email: [BuildingAutomation.SecurityIndia@honeywell.com](mailto:BuildingAutomation.SecurityIndia@honeywell.com)

### Honeywell Building Automation

Unitech Trade Center, 5th Floor, Sector-43,  
Block C, Sushant Lok Phase - I,  
Gurgaon - 122 002.



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