# HEI SERIES
# HEICC-5301T
# HEICC-5321T

## 5MP 30x Zoom Explosion-Proof IP Camera

Honeywell's latest explosion-protected and flameproof network camera is a good fit for onshore, offshore, marine, and heavy industrial installations in hazardous and challenging environments. The camera features a 316L stainless steel housing certified for hazardous areas according to IECEx. The housing prevents any interior sparks or explosions from escaping and igniting the gases or dust in the surrounding air. The HEICC-5301T and HEICC-5321T camera provide extremely crisp video with up to 5 million effective pixels, 30x optical zoom, and True Day/Night WDR for continuous surveillance in both hazardous and safe area applications. This product comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres.

ONVIF® | SGT | IECEx

*Images/Certifications/logo for illustration purpose only.

### Explosion-Proof Certification

- IECEx certified with AISI 316L stainless steel construction
- Certified for use in Gas Zone 1 & 2 (Class IIA, IIB, IIC) and Dust Zone 21 & 22 (Class IIIA, IIIB, IIIC)
- Certified temperature for explosion-proof applications:
  -40°C to 60°C (−40°F to 140°F)
- M25×1.5 threaded hole for use of cable glands or conduit
- IP68 rating guarantees complete protection against harsh weather
- This product is Flameproof, Optical Radiation and Dust Ignition protection by enclosure.

### Flexible Surveillance Solution

- 5MP 30fps, 30x optical zoom and P-Iris lens providing maximum flexibility to clearly view the target
- H.265, H.264 and MJPEG codec, triple stream support
- Support for unicast and multicast mode for streaming
- ONVIF Profile S, G and T compliant
- Supports Loitering, Intrusion, Tampering, SMD, Motion Detection analytics
- Contain no content or material from any companies or their subsidiaries prohibited under US National Defense Authorization Act (NDAA) Section 889 and can be used as part of video systems which comply with NDAA Section 889

### Easy to Install and Use

- 100~240V AC power input
- Built-in heater
- IIntegrated wiper and washer control system operated from web client or preset
- 10 meters cable with options unarmoured RJ45 interface and armoured RJ45 and FC Fiber Optic interface.
- Remote configuration, motorized zoom adjustments and auto focus through web client

### MARKET OPPORTUNITIES

The camera features stainless steel housing and offers 5MP high resolution image quality. They are ideally suited for video surveillance monitoring of onshore, offshore, marine, and heavy industrial environments, such as the oil and gas industries, as well as dusty environments, such as the paper and textile industries.

### FEATURES AND BENEFITS

- 5MP high resolution camera to capture more details
- 1/2.8" progressive scan image sensor
- Excellent low light performance with min. illumination of 0.005 lux Color

- 5.3–159 mm, F1.6–F4.3, P-Iris, 30x optical zoom lens
- Up to triple stream support
- Support for Electronic image stabilizer (EIS)
- True WDR: 130 dB

- Multiple, selectable compression formats (H.265 HEVC/H.264/MJPEG)
- Loitering, Intrusion, Tampering, SMD, Motion Detection
- Tempered glass with sun shroud

- Global language support with web GUI in 14 languages
- NDAA complaint
- 100~240V AC power input

- Optional stream encryption – camera to Maxpro under AES256 providing secure data integrity and privacy
- ONVIF Profile S, G and T compliant
- Water resistant IP68 ingress protection rating

## Honeywell

# HEI Series Explosion-Proof IP Camera

## Technical Specifications

| OPERATIONAL | |
|---|---|
| VIDEO STANDARD | NTSC/PAL |
| SCANNING SYSTEM | Progressive |
| IMAGE SENSOR | 1/2.8" CMOS |
| SENSOR SIZE (H X V) | 5.184 x 3.888 mm |
| NUMBER OF PIXELS (H × V) | 2592 x 1944 |
| MINIMUM ILLUMINATION (COLOR/BW) | Color: 0.005 lux @F1.6<br>BW: 0 lux @F1.6 (IR ON) |
| S/N RATIO | 50db |
| ELECTRONIC SHUTTER SPEED | 1/1 to 1/30,000 sec |
| DAY/NIGHT | Auto (ICR) / Color / BW |
| BACKLIGHT COMPENSATION | WDR / BLC / HLC |
| WHITE BALANCE | Auto/Fixed Current/Manual |
| GAIN CONTROL | 0~100% |
| WIDE DYNAMIC RANGE | 130dB |
| NOISE REDUCTION | 3D DNR |
| LENS | 5.3 - 159mm, P-Iris, F1.6-F4.3 |
| OPTICAL ZOOM | 30X |
| DIGITAL ZOOM | 16X |
| ELECTRONIC IMAGE STABILIZATION | Support |
| ANGLE OF VIEW (H X V X D) | H: 56.62° - 2.48°, V: 42.76° - 1.91° |
| PRIVACY MASKING | Off / On (up to 5 Areas) |
| DEFOG | Support |
| LOCAL STORAGE[1] | Support for MicroSD up to 256GB |
| ALARM INPUTS / OUTPUTS | 2 Alarm In<br>2 Alarm Out (include 1 dedicated alarm out for washer control) |
| PRESET | 2 for Wiper and Washer control |

| VIDEO | |
|---|---|
| VIDEO COMPRESSION | H.265 HEVC/H.264/MJPEG, Smart Codec |
| RESOLUTION | 1st:2592x1944/2592x1520/1920x1080/1280x720 @25/30fps<br>2nd:1920*1080/704*576(PAL)/704*480(NTSC)/640*480/352*288(PAL)/352*240(NTSC) @25/30fps<br>3rd:640*480/352*288(PAL)/352*240(NTSC)/320*240 @25/30fps |

| | |
|---|---|
| NUMBER OF VIDEO STREAMS | 3 |
| FRAME RATE MAIN STREAM | Max 30fps<br>Max 15fps for encryption under HTTPS |
| FRAME RATE SECOND STREAM | Max 30fps<br>Max 15fps for encryption under HTTPS |
| FRAME RATE THIRD STREAM | Max 30fps (Not available for encryption) |
| BIT RATE | 100K~12Mbps (15K~2Mbps for encryption) |

| AUDIO | |
|---|---|
| AUDIO COMPRESSION | G.711a/G.711Mu |
| AUDIO STREAM | 2-Way, Full duplex |
| AUDIO INTERFACE | Line In/Out |

| NETWORK | |
|---|---|
| ETHERNET | 10 Base-T/100 Base-TX Ethernet (RJ-45) Optional FC Optical Fiber |
| SUPPORTED WEB BROWSERS | Chrome/Edge |
| SUPPORTED OS | Microsoft Windows 10 |
| PROTOCOLS[2] | 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 S/G/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 |
| LANGUAGES SUPPORTED | Arabic, Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Spanish, Turkish |

| EVENTS / ANALYTICS | |
|---|---|
| VIDEO ANALYTICS | People counter, Multi Loitering, Intrusion, Tampering, SMD, Motion Detection |
| EVENT TYPE | Video motion detection, Alarm input, Recording notification, Tampering |
| EVENT LINKAGE | Event notification using digital output, Email and MicroSD card |

| ELECTRICAL | |
|---|---|
| POWER SUPPLY | 100~240V AC, 50/60 Hz |
| POWER CONSUMPTION | Max 0.5 A |

**Honeywell**

# HEI Series Explosion-Proof IP Camera

## Technical Specifications

| MECHANICAL | |
|---|---|
| **DIMENSIONS (W X D X H)** | 177 x 522 x 217 mm |
| **PRODUCT WEIGHT** | 14 kg |
| **PACKAGE WEIGHT** | 16 kg |
| **HOUSING** | 316L Stainless Steel |

| ENVIRONMENTAL | |
|---|---|
| **OPERATING TEMPERATURE** | -40°C ≤Ta≤+60°C |
| **RELATIVE HUMIDITY** | Upto 95%, non-condensing |
| **INGRESS PROTECTION** | IP68 |
| **HEATER** | Built-in |
| **WIPER** | Supported |
| **WASHER CONTROL** | Supported |

| REGULATORY | |
|---|---|
| **HAZARDOUS CERTIFICATIONS** | IECEx Ex db IIC T6 Gb<br>IECEx Ex tb IIIC T80°C Db<br>CCoE |
| **STANDARDS** | IEC 60079-0:2017/COR1:2020<br>IEC 60079-0:2017/ISH1:2019<br>IEC 60079-0:2017/ISH2:2019<br>IEC 60079-1:2014/ISH1:2020<br>IEC 60079-1:2014/COR1:2018<br>IEC 60079-31:2013<br>IEC 60079-28:2015/ISH1:2019 |
| **ENVIROMENTAL CERTIFICATIONS** | IEC 60068-2-1 (Cold test)<br>IEC 60068-2-2 (Dry Heat Test)<br>IEC 60068-2-30 (Damp Heat Test)<br>QM333:2010 (Corrosion Salt Test)<br>IEC 60068-2-14 (Change in Temperature Test)<br>QM333 (Vibration Test)<br>IEC 61373:2010 (Shock Test) |
| **COUNTRY OF ORIGIN** | INDIA |

[1] Micro SD Card is optional and pre-fitted card from factory only. Hence need to be ordered along with camera.

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

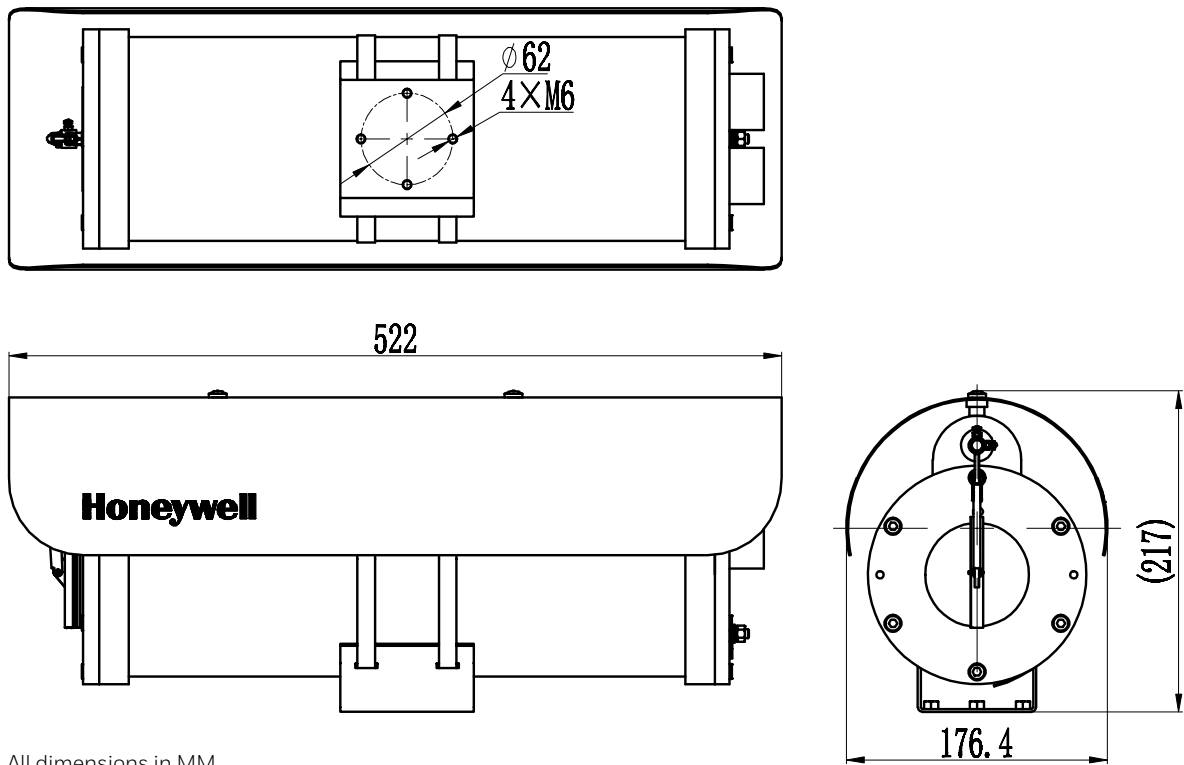| SYSTEM INTEGRATION* | |
|---|---|
| **PRO-WATCH NVR** | Up to 256 IP channels RAID5 / 6 Enterprise NVR |
| **PRO-WATCH NVR SOFTWARE** | Up to 256 IP channels Recording Software |
| **MAXPRO NVR PE** | Up to 128 IP channels RAID5 / 6 Enterprise NVR |
| **MAXPRO NVR SE** | Up to 64 IP channels System NVR |
| **MAXPRO NVR XE** | Up to 16 IP channels System NVR |
| **MAXPRO NVR SOFTWARE** | Up to 128 IP channels Recording Software |
| **HONEYWELL DVM** | Support with Honeywell DVM R710.1 (and later maintenance releases) |

*Refer to the NVR integration matrix for more information.

| OPTIONAL MOUNTS AND ACCESSORIES | |
|---|---|
| **HEPHE-WM** | 316L Stainless Steel Wall Mount Bracket for Exproof Fixed Zoom camera |
| **HEI-SD** | MicroSD Card for Exproof camera |

HEPHE-WM + Adaptor

# HEI Series Explosion-Proof IP Camera

## DIMENSIONS



All dimensions in MM.

## ORDERING

| PART CODE NO | DESCRIPTION |
| --- | --- |
| HEICC-5301T | WDR 5MP Exproof Fixed Zoom, 30x Zoom, Wiper, RJ45 Interface, Unarmoured cable 10 Mtrs, 100~240 VAC |
| HEICC-5321T | WDR 5MP Exproof Fixed Zoom, 30x Zoom, Wiper, RJ45 and FC Fiber Optical Interface, Armoured cable 10 Mtrs, 100~240 VAC |

HEVC Advance™

**HEI Series Explosion-Proof IP
Fixed Zoom Camera**

**Honeywell**