HEI SERIES
HEIPTZ-2201W-IR
1080p 30x Zoom Explosion-Proof IP IR PTZ Camera

Honeywell's latest explosion-protected and flameproof PTZ 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 ATEX. The housing prevents any interior sparks or explosions from escaping and igniting the gases or dust in the surrounding air. The HEIPTZ-2201W-IR camera provide extremely crisp video with up to 2 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® | GOST

Images/Certifications/logo for illustration purpose only.

Explosion-Proof Certification

- ATEX certified with AISI 316L stainless steel construction

- Certifications for use in Gas Zone 1 & 2 (Class IIA, IIB, IIC, T1-T6 group) and Dust Zone 21 & 22

- 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 of flameproof protection type and it consists of sunshade and flame proof enclosure.

Flexible Surveillance Solution

- 1080p 60 fps and 30x optical zoom lens for the flexibility to clearly view the target area with desired depth of view

- H.265, H.264 and MJPEG codec, triple stream support

- Support for unicast and multicast mode for streaming

- ONVIF Profile S, G, Q and T compliant

- Supports face detection, real-time intrusion detection and unauthorized loitering detection* analytics

- Security features include individual signed certificates and data encryption

Easy to Install and Use

- 100~240V AC power input

- Built-in heater

- Integrated sunshield, wiper and optional washer system operated from the web client or special system preset

- 10 m multi-polar cable with barrier cable gland (ATEX certified) and cable tail with conduit cable gland

- Wide range of mounting options

- Remote configuration, motorized zoom adjustments and auto focus through web client

MARKET OPPORTUNITIES

The camera features stainless steel housing and offers full HD 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

- 4.5–135 mm, F1.6–F4.4, 30x optical zoom lens

- 1/2.8" progressive scan image sensor

- Excellent low light performance with down to 0.0005 lux B/W

- Up to 50/60 fps primary stream. Up to 25/30 fps secondary streams

- Up to triple stream support

- Electronic image stabilizer (EIS)

- True WDR: 120 dB

- Multiple, selectable compression formats (H.265/H.264/MJPEG)

- Support for Face detection, ADPRO IntrusionTrace* and ADPRO LoiterTrace*

- Tempered glass

- Global language support with web GUI and online help in 15 languages

- Installation environment temperature: −40°C to 60°C (−40°F to 140°F)

- 100~240V AC power input

- Cyber security hardware chipset built-in

- ONVIF Profile S, G, Q and T compliant

- Water resistant IP68 ingress protection rating
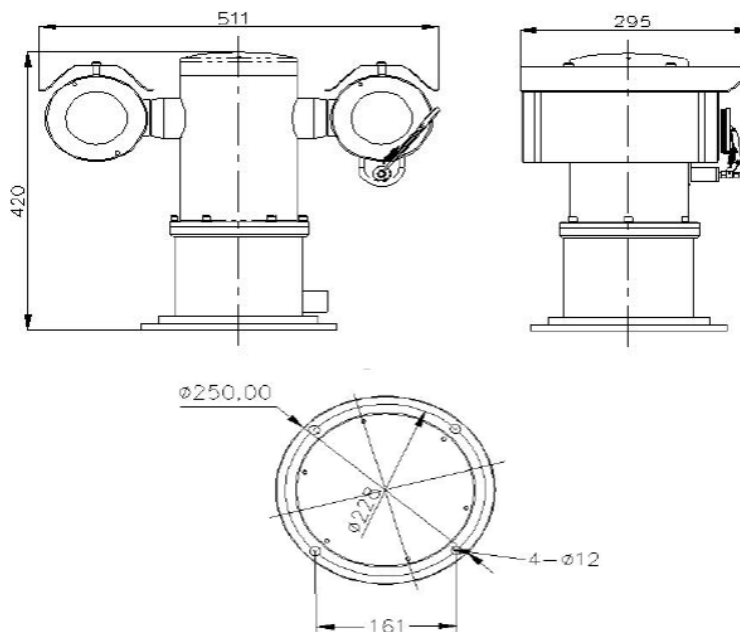
Honeywell

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FEATURES CONTINUED

The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Setup can be done through a web client.

DIMENSIONS

HEI Series Explosion-Proof IP IR PTZ Camera

Technical Specifications

CAMERA	
IMAGE SENSOR	1/2.8" Sony Progressive CMOS
OPTICAL ZOOM	30x
DIGITAL ZOOM	16x
NUMBER OF PIXELS (H×V)	1920 × 1080 (1080p)
WDR	120 dB
S/N RATIO	≥ 55 dB (AGC off)
MINIMUM ILLUMINATION	0.0187 lux (color)/0.012 lux (B/W) @ F1.6, 30 IRE, 1/30 0.0547 lux (color)/0.0348 lux (B/W) @ F1.6, 50 IRE, 1/30 0.005 lux (color)/0.0005 lux (B/W) @ F1.6, long exposure
FOCAL LENGTH	4.5 mm – 135 mm
MAX APERTURE	F1.6 – F4.4
FOCUS MODE	Manual/Auto/Semiauto/PTZ Trigger
MICRO SD CARD[1]	Up to 64GB Micro SD card (card not included)
ANGLE OF VIEW	H: 62.35° – 2.53°; V: 37.87° – 1.79°
WHITE BALANCE	Auto/Indoor/Outdoor/ATW/Manual/ Outdoor Auto/ Sodium Lamp Auto/ Sodium Lamp
EXPOSURE MODE	Iris Priority/Shutter Priority/Gain Priority/Manual
BACKLIGHT COMPENSATION	BLC/HLC/WDR (120 dB)
ELECTRONIC SHUTTER	1/1 to 1/30,000 sec
ELECTRONIC IMAGE STABILIZATION	On/Off
DEFOG	On/Off
DAY/NIGHT	Auto/Color/BW
IR ILLUMINATION	200 metres

OPERATIONAL	
PAN TRAVEL	360° continuously
TILT TRAVEL	–90° to 90°
PAN SPEED	0.1 to 40°/s
PRESETS	128
PRESET ACCURACY	±0.1°
TILT SPEED	0.1 to 30°/s
PTZ MODE	Tour, Auto Pan

IDLE MOTION	Support Preset, Tour
PRIVACY MASKS	24
MOTION DETECTION	On/Off
IMAGE ROTATION	Flip
AUTO RESUME AFTER POWER FAILURE	Preset, Tour, Auto
AUTO TRACKING	Yes
VIDEO ANALYTICS	ADPRO IntrusionTrace[2], ADPRO LoiterTrace[2], Face Detection
EVENT NOTIFICATION	Record to FTP, Relay output, Email, Preset, Tour, Snapshot
WEB LANGUAGES SUPPORTED	English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish

ELECTRICAL	
POWER SOURCE	100~240V AC, 75W Min
POWER CONSUMPTION	Max 3.0A, 50/60 Hz

MECHANICAL	
DIMENSIONS	511*295*429mm
WEIGHT	Product: 37; Package: 39 kg
HOUSING	AISI 316L Stainless Steel Construction
SUNSHIELD	Yes
WIPER	Yes
THREADED HOLE	M25 x 1.5
CONNECTORS	Power input: 3-terminals (L,N,E) Network: RJ45 connector Alarm I/O: 1/2 (one dedicated Output for washer control) Audio I/O: 1/1 Hardware Reset: 1

CERTIFICATIONS/ENVIRONMENTAL	
OPERATING TEMPERATURE	–40°C to 60°C (–40°F to 140°F), Cold start –40°C (–40°F)
RELATIVE HUMIDITY	Upto 95%, non-condensing
WATERPROOF STANDARD	IP68
ATEX	II 2 G Ex db IIC T6 Gb II 2 D Ex tb IIIC T80°C Db

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IP SPECIFICATIONS

VIDEO COMPRESSION	H.265 / H.264 / MJPEG
VIDEO STREAMING	Primary Stream: 1080p up to 60/50 fps; 1.3M/720p up to 30/25 fps 2nd Stream: 1080p/1.3M/720p up to 30/25 fps 3rd Stream: D1/CIF up to 30/25 fps
VIDEO RESOLUTION	Up to 1080p (1920×1080p)
INTERFACE	RJ-45, 10/100 Mbps Ethernet
SUPPORTED PROTOCOLS[3]	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, SSL, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, Bonjour, DNS, DDNS, IEEE 802.1x, QoS, NTP, IP Filter, ONVIF, RS485, Pelco P, Pelco D
SECURITY	Multiple user access levels with enhanced password policy, IP filtering, IEEE 802.1x, Strong Digest authentication for Access permission, HTTPS, TLS1.2 only; high strength encrypted algorithm AES-256, SSH/Telnet closed and FTP disabled to reduce surface being attacked, PCI-DSS compliant, built-in cybersecurity hardware chipset

MAXIMUM USERS ACCESS	20 users
SUPPORTED WEB BROWSERS	Internet Explorer® (11.0+), Firefox, Chrome
SUPPORTED OS	Microsoft Windows® 7 and 10
COMMUNICATION	ONVIF Profile S, G, Q and T compliant

REGULATORY

ATEX	EN 60079-0:2012/A11:2013; EN 60079-1:2014; EN 60079-31:2014; EN 60079-28:2015.
INDIA	CCoE

1. Micro SD Card functionality is supported and optional with pre-fitted card from factory only. Micro SD card failure is not covered under standard warranty
2. ADPRO® IntrusionTrace™ and ADPRO LoiterTrace™ are Xtralis® video content analytics products. Additional license purchase(s) required. See http://www.xtralis.com/analytics for more information.
3. Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

RECOMMENDED ACCESSORIES

SYSTEM INTEGRATION

ONVIF support and open API software integration. Refer to www.onvif.org for the ONVIF specification and the Honeywell Open Technology Alliance website (http://www.security.honeywell.com/hota/) to learn more about our open and integrated solutions.

HONEYWELL DEVICE INTEGRATION

MAXPRO® NVR FAMILY	Entry to Enterprise Level Network Video Recorders (version 5.6 and greater)
MAXPRO® VMS FAMILY	Entry to Enterprise Level Network Video VMS (version R560 and greater)

ACCESSORIES

HEPTZE-WM	316L Stainless Steel Wall Mount Bracket
HEPTZE-CM	316L Stainless Steel Corner Mount Bracket[1]
HEPTZE-PM	316L Stainless Steel Pole Mount Adaptor[1]
HEIGLAND	Cable Gland
HEI-SD	Micro SD card[2]
HEI-JB	Ex-proof Junction box
HEI-OTB	OFC trans-receiver box
HEPTZE-SK	Anti-Shake Plate

Note: The new HEI Series accessories are not compatible with old Honeywell Explosion Proof cameras. Accessories to be ordered separately with camera
1. To be considered in addition to HEPTZE-WM
2. To be ordered along with camera, can not be ordered separately

HEI-JB   HEI-OTB   HEPTZE-WM

HEI Series Explosion-Proof IP IR PTZ Camera

ORDERING

PART CODE NO	DESCRIPTION
HEIPTZ-2201W-IR	Network Explosion-Proof IP IR PTZ, ATEX, 1/2.8" CMOS, 1080p Resolution, 30x Zoom, WDR, 4.5–135 mm MFZ, H.265/H.264, with Wiper, IP68, 100~240 VAC, –40ºC to 60ºC

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