

Outdoor PTZ IR Ultra Low Light IP Cameras

HDZ302LIW/HDZ302LIK

The latest HDZ PTZ is a great addition to Honeywell's family of IP-based products. The High definition, True Day/Night WDR IR PTZ cameras provide extremely crisp video with up to 2 million effective pixels and 30x optical zoom models for continuous surveillance in both outdoor and indoor applications.

Superior Image Quality

- Full HD 1080p resolution, 25/30 fps image with a 1/1.9 in. 2 MP sensor
- True WDR 120 dB ensures glare-free images
- True Day/Night provides vivid color images by day and clear black-and-white images at night with ICR
- Excellent low-light performance with 3D noise reduction, saving storage and bandwidth together with H.264 High Profile codec

Flexible Surveillance Solution

- 6.0-180 mm, F1.6-F4.8, 30x optical zoom lens with 360° continuous rotation for the flexibility to clearly view the target area with desired width and depth
- H.264 and MJPEG codec, triple stream support
- IR LEDs provide up to 492' (150 m) HDZ302LIW, or 656' (200 m) HDZ302LIK, of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Smart IR technology provides even distribution of IR
- Waterproof (IP67) and IK10 vandal resistant camera housing (IK10 only for HDZ302LIK models)
- -40°F to 158°F (-40°C to 70°C) working temperature
- ONVIF Profile S compliant
- Security features include individual signed certificates and data encryption

FEATURES AND BENEFITS

The combination of the latest digital technology and advanced video processing makes HDZ ideally suited for large-scale surveillance in cities, roadways, airports, government facilities, schools and campuses, industrial environments and anywhere detailed surveillance is essential.

- IR distance, depending on scene reflectance:
 - HDZ302LIW: up to 492' (150 m)
 - HDZ302LIK: up to 656' (200 m)
- Ultra-low light performance
- 6.0-180 mm, F1.6-F4.8, 30x optical zoom lens
- 1/1.9 in. progressive scan image sensor
- Multiple, selectable compression formats (H.264/MJPEG)
- Excellent low light performance with down to 0 lux BW (with IR LEDs on)
- Up to triple stream support
- Up to 25/30 fps at 1080p. Up to 50/60 fps at 720p
- True WDR: 120 dB
- Auto tracking
- Rugged outdoor housing with IP67 ingress protection and IK10 vandal resistance (only IK10 on HDZ302LIK)
- Electronic image stabilizer (EIS)
- On board camera storage: up to 128 GB micro SD card (not included)
- ONVIF profile S compliant
- Wiper (only HDZ302LIW models)



HD

HDZ302LIK



HD

HDZ302LIW



- Cameras can be retrofitted on many existing DVR/NVR installations without requiring additional storage

Easy to Install and Use

- Built-in High PoE (Power over Ethernet) eliminates separate power supply and associated wiring; 24 V AC input where PoE power is unavailable
- Remote configuration, motorized zoom adjustments and auto focus through web client or from the NVR

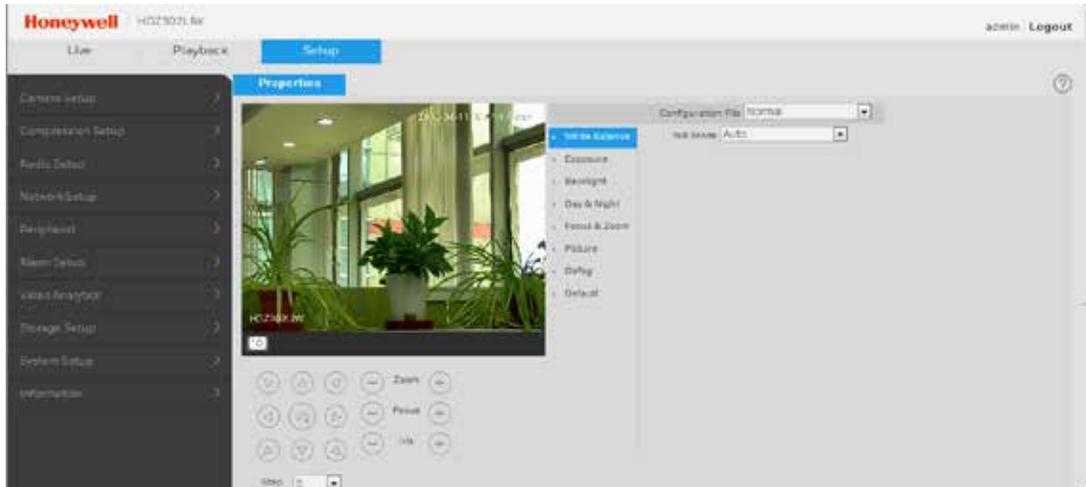
Onboard Video Storage

- Supports up to 128 GB microSDHC (Class 10) card for local video storage when network is interrupted. Card not included.

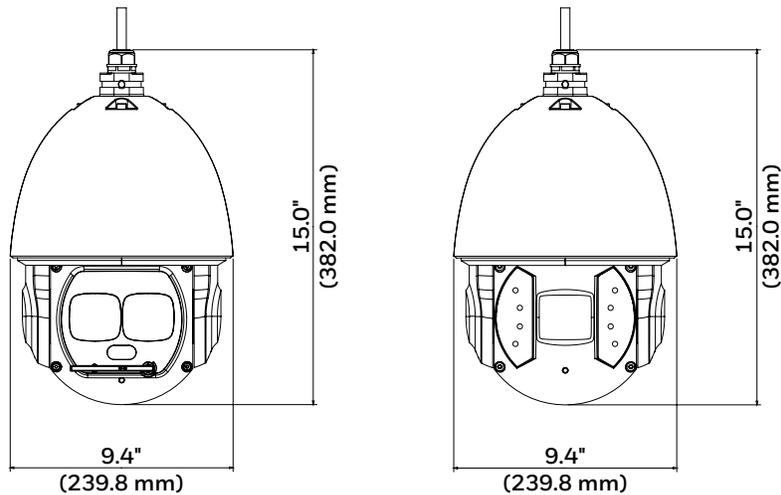
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The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Automated responses include: sending a notification through email, FTP, and/or HTTP; sending a still image of the event through email and/or FTP; and recording a video clip of the event to a configured microSDHC card. Setup can be done through a web client or from an NVR.



DIMENSIONS



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HDZ302LIW/HDZ302LIK

SPECIFICATIONS

| | HDZ302LIW | HDZ302LIK | | HDZ302LIW | HDZ302LIK |
|---------------------------------|--|--------------------|--|---|--------------------|
| CAMERA | | | ELECTRICAL | | |
| IMAGE SENSOR | 1/1.9 in. Sony Progressive CMOS | | POWER SOURCE | 24 V AC ± 25%, 3A and High PoE (Class 5) | |
| OPTICAL ZOOM | 30x | | AC FREQUENCY | 50/60 Hz | |
| DIGITAL ZOOM | 16x | | POWER CONSUMPTION | 24 W; 32 W (IR On) | 24 W; 38 W (IR On) |
| NUMBER OF PIXELS (H X V) | 1920x1080 (1080p) | | MECHANICAL | | |
| SHUTTER WDR | 120 dB | | DIMENSIONS | Ø9.45 in. x 1.5 in. (Ø240 mm x 382 mm) | |
| S/N RATIO | > 50 dB (AGC Off) | | PRODUCT WEIGHT | 13.9 lb (6.3 kg) | |
| MINIMUM ILLUMINATION | 0.005 lux (color)/0.0005 lux (B/W) @ F1.6; 0 lux IR On | | PACKAGE WEIGHT | 18.5 lb (8.4 kg) | |
| IR LIGHT CONTROL | On (Zoom priority/Manual)/Off | | CONSTRUCTION MATERIAL | Aluminum | |
| IR DISTANCE | Up to 492' (150 m) | Up to 656' (200 m) | CONSTRUCTION COLOR | RAL9003 (White) | |
| FOCAL LENGTH | 6 mm – 180 mm | | WIPER MATERIAL | Silicone rubber | |
| MAX APERTURE | F1.6 – F4.8 | | ENVIRONMENTAL | | |
| FOCUS MODE | Manual/Auto/Semiauto | | TEMPERATURE | -40°F to 158°F (-40°C to 70°C) | |
| ANGLE OF VIEW | H: 61.2° – 2.32° | | RELATIVE HUMIDITY | Less than 90%, non-condensing | |
| WHITE BALANCE | Auto/Indoor/Outdoor/ATW/Manual | | WATERPROOF STANDARD | IP67 standard | |
| AGC (GAIN CONTROL) | Auto (Max gain limit settings for Auto)/Manual | | IMPACT RATING | NA | IK10 |
| IRIS CONTROL | Auto/Manual | | WIPER | Yes | No |
| ELECTRONIC SHUTTER | 1/1 to 1/30,000 sec | | IP SPECIFICATIONS | | |
| BACKLIGHT COMPENSATION | BLC/HLC/WDR | | VIDEO COMPRESSION | H.264 / MJPEG / MPEG4 | |
| ELECTRONIC IMAGE STABILIZATION | On/Off | | VIDEO STREAMING | Primary Stream: 1080p @ 30 fps/720p @ 60 fps Second Stream: D1/CIF @ 30 fps Third Stream: 720p/D1/CIF @ 30 fps | |
| DEFOG | On/Off | | VIDEO RESOLUTION | Up to 1920x1080p | |
| DAY/NIGHT | Auto/Color/BW | | FRAME RATES | 720p: Up to 60/50 fps 1080p: Up to 30/25 fps | |
| OPERATIONAL | | | AUDIO COMPRESSION | G.711/G.711Mu | |
| PAN TRAVEL | 360° endless | | AUDIO STREAM | Full-duplex, Simplex | |
| TILT TRAVEL | -10° to 90°, auto flip 180° | | INTERFACE | RJ-45, 10/100 Mbps Ethernet | |
| MANUAL PAN SPEED | Up to 200°/s | | SUPPORTED PROTOCOLS* | IPv4/v6, TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP v2c/v3, Bonjour, DNS, DDNS, QoS, NTP, NFS | |
| MANUAL TILT SPEED | Up to 120°/s | | MAXIMUM USERS ACCESS | 20 users | |
| PRESETS | 250 | | SECURITY | User account and password protection HTTPS, IP Filter, IEEE 802.1x, Digest authentication, User access log | |
| PRESET ACCURACY | 0.225° | | MICROSD | Support for micro SD up to 128 GB (card not included) | |
| PRESET SPEED | Pan: Up to 200°/s; Tilt: Up to 200°/s | | MICROSD FUNCTION | Event trigger recording Continuous and scheduled recording Automatic recording when network fails | |
| TOURS | 8 | | SUPPORTED WEB BROWSERS | Internet Explorer (8.0+) | |
| AUTO PAN/SCAN | 1 / 1 | | SUPPORTED OS | Windows 7 32-bit/64-bit | |
| PATTERN | 5 | | COMMUNICATION | ONVIF Profile S | |
| PRIVACY MASKS | 24 | | REGULATORY | | |
| AUTO RESUME AFTER POWER FAILURE | Yes | | EMISSIONS | EN55022, FCC Part 15 subpart B AS/NZS CISPR 22:2009+ A1 (2010) | |
| MOTION DETECTION | On/Off | | IMMUNITY | EN50130-4 | |
| IMAGE ROTATION | Flip | | SAFETY | EU: EN60950-1, EN60950-22 North America UL listed to UL/CSA 60950-1 | |
| AUDIO IN / OUT | 1 / 1 | | ROHS | EN50581 | |
| ALARM INPUT / OUTPUT | 7 / 2 | | NOTE: | | |
| AUTO TRACKING | Auto/Manual | | *Some development may be required in specific user cases to support some of these protocols in the field as they mature over time. | | |
| EVENT | Motion Detect; Video Tamper; Audio Detect; No SD card; SD card error; SD card capacity warning; Network disconnection; IP address conflict; Illegal access | | | | |
| EVENT NOTIFICATION | Record (SD card and FTP), Relay output, Email, Preset, Tour, Pattern, Snapshot | | | | |
| LANGUAGES SUPPORTED | English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish | | | | |

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ORDERING

SYSTEM INTEGRATION

OPEN IP 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.



ACCESSORIES

HOUSINGS AND MOUNTS

| | |
|----------|---|
| HDZWM1 | Wall Mount |
| HDZCMA | Corner Mount adapter for wall mount |
| HDZCM1 | Ceiling Mount |
| HDZJB | Junction Box |
| HDZWM2 | Wall Mount with access hole |
| HDZPMA | Pole Mount adapter for wall mount |
| HDZCM2 | Ceiling Mount extension pole for HDZCM1, 220 mm |
| HDZCM3 | Ceiling Mount extension pole for HDZCM1, 420 mm |
| HDZNPTA* | 1.5 in. NPT adapter |

* Note: For PTZ installations where you are replacing an old PTZ that is using a 1.5 in. NPT bracket, you can order the 1.5 in. NPT adapter, HDZNPTA, to install the new HDZ PTZ with the old 1.5 in. NPT bracket.

HONEYWELL DEVICE INTEGRATION

RECORDERS

| | |
|--------------------|---|
| MAXPRO® NVR Family | Entry to Enterprise Level Network Video Recorders (version 3.5 and greater) |
| DVM | DVM R600.1 SP1 |
| HUS | HUS 4.3.0 |

CAMERAS

| | |
|-----------|---|
| HDZ302LIW | Network TDN IR PTZ Dome, 1080p Resolution, 30x Zoom, WDR, H.264, NTSC/PAL, Wiper, micro SD Card Compatible (Supports up to 128 GB cards, card not included) |
| HDZ302LIK | Network TDN IR PTZ Dome, 1080p Resolution, 30x Zoom, WDR, H.264, NTSC/PAL, IK10, micro SD Card Compatible (Supports up to 128 GB cards, card not included) |

For more information

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