HDZ302LIW/HDZ302LIK

Outdoor PTZ IR Ultra Low Light IP Cameras

Honeywell's latest HDZ PTZ is part of the New equIP® line 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" 2 megapixel 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 ft (150 m) HDZ302LIW, or 656 ft (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
- Cameras can be retrofitted on many existing DVR/NVR installations without requiring additional storage

HD
HDZ302LIK

HD
HDZ302LIW

Easy to Install and Use

- High PoE (Power over Ethernet) eliminates separate power supply and associated wiring; 24 V AC input where PoE power is unavailable
- Motorized Pan, Tilt, Zoom control 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.
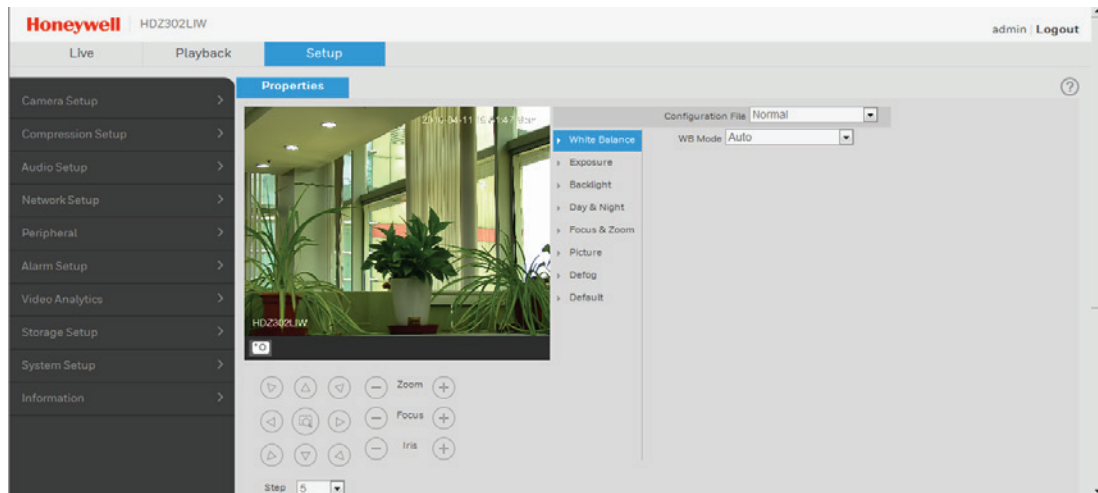
FEATURES AND BENEFITS

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 150 m (492 ft.)
  - HDZ302LIK: up to 200 m (656 ft.)
- Ultra-low light performance

- 6.0–180 mm, F1.6-F4.8, 30x optical zoom lens
- 1/1.9" 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
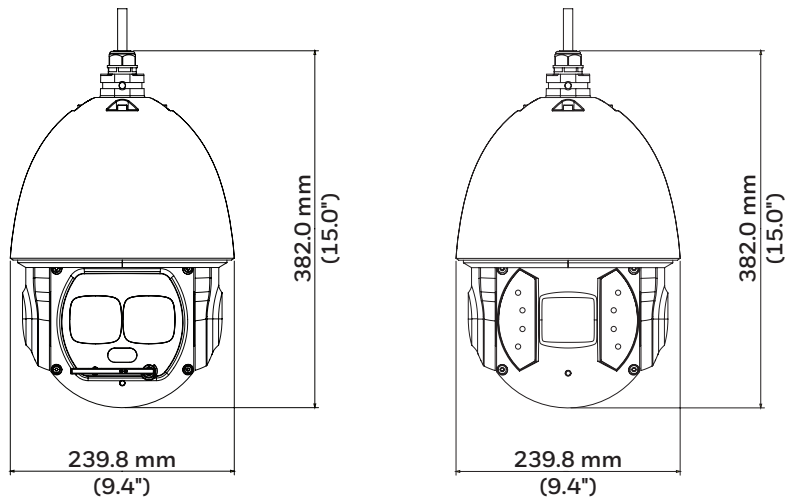- Wiper (only HDZ302LIW models)

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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

382.0 mm (15.0")

239.8 mm (9.4")

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239.8 mm (9.4")

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SPECIFICATIONS

	HDZ302LIW	HDZ302LIK
CAMERA		
Image Sensor	1/1.9" Sony Progressive CMOS	
Optical Zoom	30x	
Digital Zoom	16x	
Number of Pixels (H x V)	1920x1080 (1080p)	
Shutter WDR	120 dB	
S/N Ratio	> 50 dB (AGC Off)	
Minimum Illumination	0.005 lux (color)/0.0005 lux (B/W) @ F1.6; 0 lux IR On	
IR Light Control	On (Zoom priority/Manual)/Off	
IR Distance	Up to 150 m (492 ft.)	Up to 200 m (656 ft.)
Focal Length	6 mm - 180 mm	
Max Aperture	F1.6 - F4.8	
Focus Mode	Manual/Auto/Semiauto	
Angle of View	H: 61.2° – 2.32°	
White Balance	Auto/Indoor/Outdoor/ATW/Manual	
AGC (Gain Control)	Auto (Max gain limit settings for Auto)/Manual	
Iris Control	Auto/Manual	
Electronic Shutter	1/1 to 1/30,000 sec	
Backlight Compensation	BLC/HLC/WDR	
Electronic Image Stabilization	On/Off	
Defog	On/Off	
Day/Night	Auto/Color/BW	
OPERATIONAL		
Pan Travel	360° endless	
Tilt Travel	-10° to 90°, auto flip 180°	
Manual Pan Speed	Up to 200°/s	
Manual Tilt Speed	Up to 120°/s	
Presets	250	
Preset Accuracy	0.225°	
Preset Speed	Pan: Up to 200°/s; Tilt: Up to 200°/s	
Tours	8	
Auto Pan/Scan	1 / 1	
Pattern	5	
Privacy Masks	24	
Auto Resume After Power Failure	Yes	
Motion Detection	On/Off	
Image Rotation	Flip	
Audio In / Out	1 / 1	
Alarm Input / Output	7 / 2	
Auto Tracking	Auto/Manual	
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	

	HDZ302LIW	HDZ302LIK
ELECTRICAL		
Power Source	24 V AC ± 25%, 3A and High PoE (Class 5 / 60W** required)	
AC Frequency	50/60 Hz	
Power Consumption	24 W; 32 W (IR On)	24 W; 38 W (IR On)
MECHANICAL		
Dimensions	Ø240 mm x 382 mm (Ø9.45" x 15")	
Product Weight	6.3 kg (13.9 lb)	
Package Weight	8.4 kg (18.5 lb)	
Construction Material	Aluminum	
Construction Color	RAL9003 (White)	
Wiper Material	Silicone rubber	
ENVIRONMENTAL		
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	
Relative Humidity	Less than 90%, non-condensing	
Waterproof Standard	IP67 standard	
Impact Rating	NA	IK10
Wiper	Yes	No
IP SPECIFICATIONS		
Video Compression	H.264 / MJPEG / MPEG4	
Video Streaming	Primary Stream: 1080p @ 30 fps/720p @ 60 fps Second Stream: D1/CIF @ 30 fps Third Stream: 720p/D1/CIF @ 30 fps	
Video Resolution	Up to 1920x1080p	
Frame Rates	720p: Up to 60/50 fps 1080p: Up to 30/25 fps	
Audio Compression	G.711/G.711Mu	
Audio Stream	Full-duplex, Simplex	
Interface	RJ-45, 10/100 Mbps Ethernet	
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, LDAP (Client), NFS	
Maximum Users Access	20 users	
Security	User account and password protection HTTPS, IP Filter, IEEE 802.1x, Digest authentication, User access log	
MicroSD	Support for micro SD up to 128 GB (card not included)	
MicroSD Function	Event trigger recording Continuous and scheduled recording Automatic recording when network fails	
Supported Web Browsers	Internet Explorer (8.0+)	
Supported OS	Windows 7 32-bit/64-bit	
Communication	ONVIF Profile S	
REGULATORY		
Emissions	EN55022, FCC Part 15 subpart B AS/NZS CISPR 22:2009+ A1 (2010)	
Immunity	EN50130-4	
Safety	EU: EN60950-1, EN60950-22 North America UL listed to UL/CSA 60950-1	
RoHS	EN50581	

Notes:

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

** Maximum power required during start-up

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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" NPT adapter

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

www.honeywell.com/security

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