

HDZ302LIW/HDZ302LIK

Outdoor PTZ IR Ultra Low Light IP Cameras

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.

The camera is able to operate at high temperatures by virtue of the innovative and thoughtful design of the product which includes an Aluminum "Weathershield", which is a cover that offers complete 360° protection over the internal housing which houses the electronic components. The design also provides for a gap between the internal dome and the weathershield element thereby reducing the solar load coming from the sun to stop it from overheating and displacing the sun's heat from hitting the dome itself, enabling the camera to operate continuously in temperatures up to 70°.

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 colour 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 150 m (492') HDZ302LIW, or 200 m (656') 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°C to 70°C (-40°F to 158°F) 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

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.

FEATURES AND BENEFITS

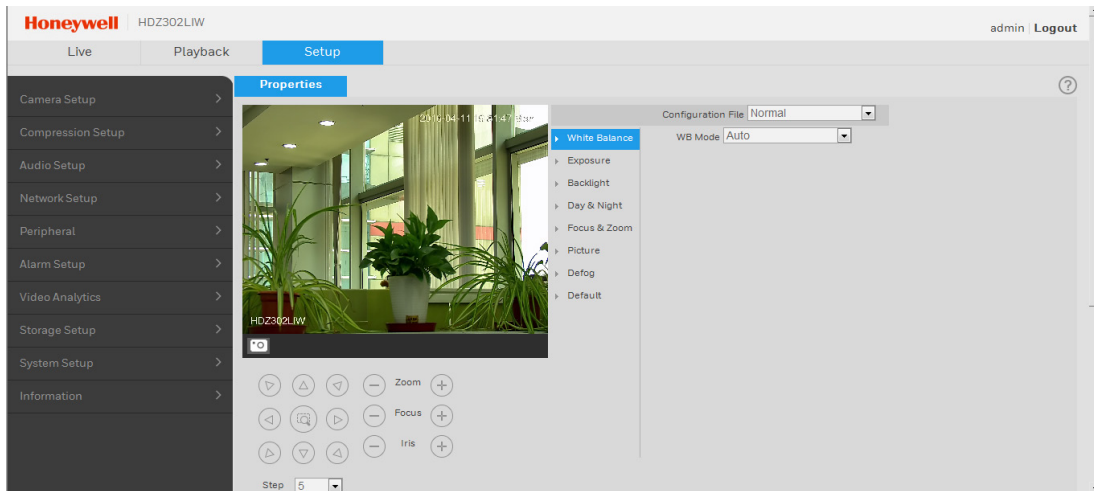
The combination of the latest digital technology and advanced video processing makes HDZ ideally suited for large-scale surveillance in cities, roadways, airports, government facilities, schools and campuses, industrial environments and anywhere detailed surveillance is essential.

- IR distance, depending on scene reflectance:
 - HDZ302LIW: up to 150 m (492')
 - HDZ302LIK: up to 200 m (656')
- 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)

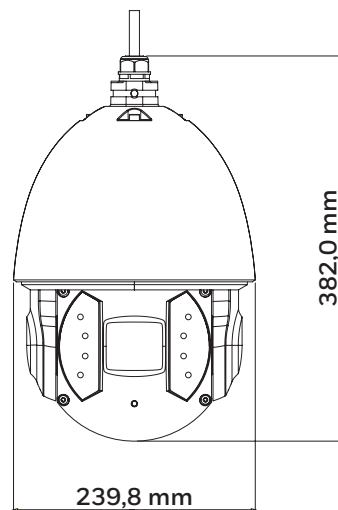
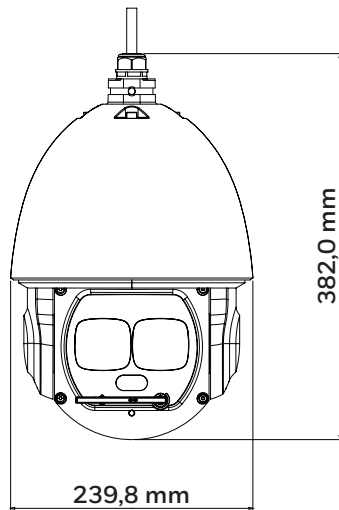
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The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Automated responses include: sending a notification through email, FTP, and/or HTTP; sending 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



HDZ302LIW/HDZ302LIK

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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/ 60W** required)	
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	Ø240 mm x 382 mm (Ø9.45 in. x 15 in.)	
S/N RATIO	> 50 dB (AGC Off)		PRODUCT WEIGHT	6.3 kg (13.9 lb)	
MINIMUM ILLUMINATION	0.005 lux colour/0.0005 lux B/W @ F1.6; 0 lux IR On		PACKAGE WEIGHT	8.4kg (18.5 lb)	
IR LIGHT CONTROL	On (Zoom priority/Manual)/Off		CONSTRUCTION MATERIAL	Aluminum	
IR DISTANCE	Up to 150 m (492')	Up to 200 m (656')	CONSTRUCTION COLOUR	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°C to 70°C ***(-40°F to 158°F)	
ANGLE OF VIEW	H: 61.2° – 2.32°		BLOWER/FAN	Yes	
WHITE BALANCE	Auto/Indoor/Outdoor/ATW/Manual		RELATIVE HUMIDITY	Less than 90%, non-condensing	
AGC (GAIN CONTROL)	Auto (Max gain limit settings for Auto)/Manual		WATERPROOF STANDARD	IP67 standard	
IRIS CONTROL	Auto/Manual		IMPACT RATING	NA	IK10
ELECTRONIC SHUTTER	1/1 to 1/30,000 sec		WIPER	Yes	No
BACKLIGHT COMPENSATION	BLC/HLC/WDR		IP SPECIFICATIONS		
ELECTRONIC IMAGE STABILIZATION	On/Off		VIDEO COMPRESSION	H.264 / MJPEG / MPEG4	
DEFOG	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	
DAY/NIGHT	Auto/Colour/BW		VIDEO RESOLUTION	Up to 1920x1080p	
OPERATIONAL			FRAME RATES	720p: Up to 60/50 fps 1080p: Up to 30/25 fps	
PAN TRAVEL	360° endless		AUDIO COMPRESSION	G.711/G.711Mu	
TILT TRAVEL	-10° to 90°, auto flip 180°		AUDIO STREAM	Full-duplex, Simplex	
MANUAL PAN SPEED	Up to 200°/s		INTERFACE	RJ-45, 10/100 Mbps Ethernet	
MANUAL TILT SPEED	Up to 120°/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	
PRESETS	250		MAXIMUM USERS ACCESS	20 users	
PRESET ACCURACY	0.225°		SECURITY	User account and password protection HTTPS, IP Filter, IEEE 802.1x, Digest authentication, User access log	
PRESET SPEED	Pan: Up to 200°/s; Tilt: Up to 200°/s		MICROSD	Support for micro SD up to 128 GB (card not included)	
TOURS	8		MICROSD FUNCTION	Event trigger recording Continuous and scheduled recording Automatic recording when network fails	
AUTO PAN/SCAN	1 / 1		SUPPORTED WEB BROWSERS	Internet Explorer (8.0+)	
PATTERN	5		SUPPORTED OS	Windows 7 32-bit/64-bit	
PRIVACY MASKS	24		COMMUNICATION	ONVIF Profile S	
AUTO RESUME AFTER POWER FAILURE	Yes		REGULATORY		
MOTION DETECTION	On/Off		EMISSIONS	EN55022, FCC Part 15 subpart B AS/NZS CISPR 22:2009+ A1 (2010)	
IMAGE ROTATION	Flip		IMMUNITY	EN50130-4	
AUDIO IN / OUT	1 / 1		SAFETY	EU: EN60950-1, EN60950-22 North America UL listed to UL/CSA 60950-1	
ALARM INPUT / OUTPUT	7 / 2		ROHS	EN50581	
AUTO TRACKING	Auto/Manual		NOTE:		
EVENT	Motion Detect; Video Tamper; Audio Detect; No SD card; SD card error; SD card capacity warning; Network disconnection; IP address conflict; Illegal access		* Some development may be required in specific user cases to support some of these protocols in the field as they mature over time		
EVENT NOTIFICATION	Record (SD card and FTP), Relay output, Email, Preset, Tour, Pattern, Snapshot		** Maximum power required during start-up.		
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

ORDERING

HDZ302LIW 2MP Network TDN IR PTZ Dome, 30x Zoom, WDR, H.264, NTSC/PAL, Wiper, micro SD Card Compatible (Supports up to 128 GB cards, card not included)

HDZ302LIK 2MP Network TDN IR PTZ Dome, 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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