

WDR PTZ IP Cameras

Indoor/Outdoor 30x Zoom WDR PTZ IP Cameras

Honeywell's latest HDZ PTZ is part of the growing line of IP-based products. The high definition, True Day/Night WDR PTZ cameras provide extremely crisp video with up to 2 million effective pixels and 30x optical zoom for continuous surveillance in both outdoor and indoor applications.

Superior Image Quality

- Full HD 1080p resolution, 50/60 fps image with a 1/2.8" 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 (Infrared Cut Filter Removal)
- Excellent low-light performance with 3D noise reduction, saving storage and bandwidth together with H.265 codec

Flexible Surveillance Solution

- 4.5–135 mm, F1.6–F4.4, 30x optical zoom lens with 360° continuous rotation for the flexibility to clearly view the target area with desired width and depth
- H.265, H.264 and MJPEG codec, triple stream support
- Waterproof (IP67/IP66) and IK10 vandal resistant camera housing (IP67 only for HDZ302DE model, and IP66 only for HDZ302D model)
- –40°F to 158°F (–40°C to 70°C) HDZ302DE working temperature, –40°F to 140°F (–40°C to 60°C) HDZ302D working temperature, 14°F to 140°F (–10°C to 60°C) HDZ302DIN working temperature
- ONVIF Profile S and G compliant
- Built-in Analytics in the camera, such as face detection, audio detection, intrusion tracing, and auto-tracking
- Security features include individual signed certificates and data encryption

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
- Wide range of mounting options, including optional snap mount bracket (HDZINSM) to allow in-ceiling installation to previous HDZ back can housing models (HDZ22HDIN, HDZ30HDIN, and HDZ30IN)
- Remote configuration, motorized pan, tilt and zoom adjustments and auto focus through web client

FEATURES AND BENEFITS

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|--|---|---|---|--|
| <ul style="list-style-type: none">• 4.5–135 mm, F1.6–F4.4, 30x optical zoom lens• 1/2.8" progressive scan image sensor• Up to 50/60 fps primary stream• Up to 25/30 fps secondary streams• Up to triple stream support | <ul style="list-style-type: none">• Ultra-low light performance• Global language support with 15 languages for all QIGs, Web GUI, and online help• Excellent low light performance with down to 0.0005 lux BW | <ul style="list-style-type: none">• Electronic image stabilizer (EIS)• Multiple, selectable compression formats (H.265/H.264/MJPEG)• True WDR: 120 dB• Built-in Analytics, including Auto-tracking, Face detection and Intrusion tracing | <ul style="list-style-type: none">• Rugged outdoor housing with IK10 vandal resistance• Choice of 24 V AC or PoE+ power inputs• On board camera storage: up to 128 GB microSD card (not included) | <ul style="list-style-type: none">• ONVIF profile S and G compliant• Waterproof IP67 ingress protection rating for HDZ302DE models and IP66 for HDZ302D models• Cyber security hardware chipset built-in |
|--|---|---|---|--|



HDZ302D



HDZ302DIN



HDZ302DE



Onboard Video Storage

Supports up to 128 GB microSDHC (Class 10) card for local video storage on events, continuous, or schedule, or with network interruption. Card not included

MARKET OPPORTUNITIES

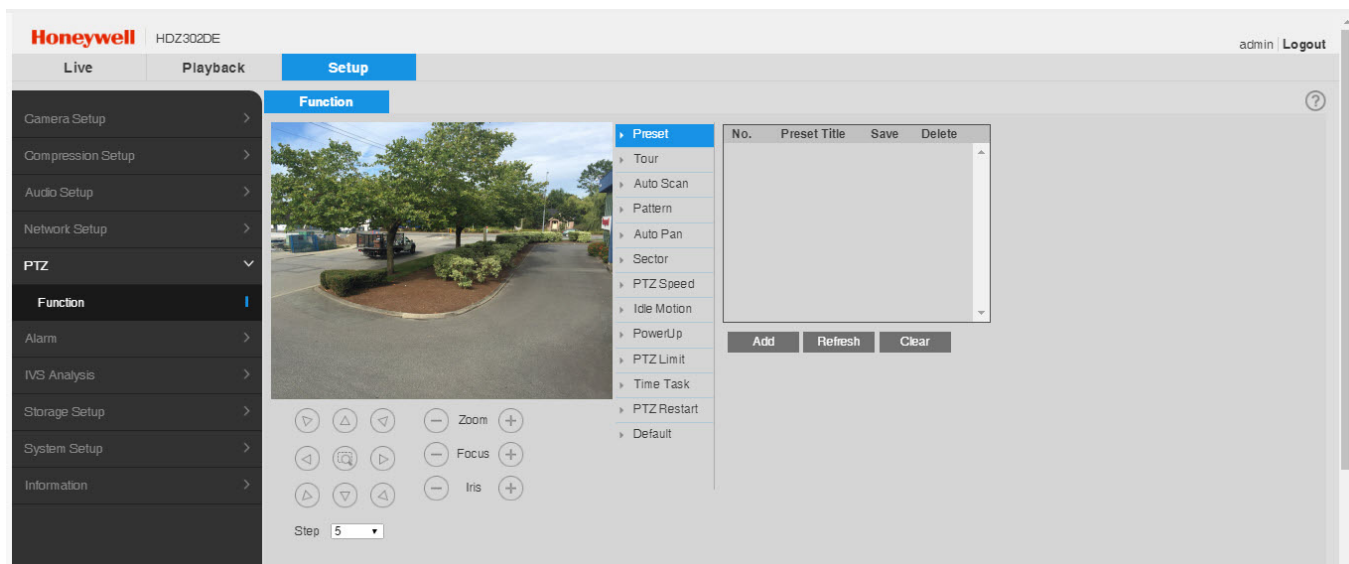
The combination of the latest digital technology and advanced video processing makes HDZP304DI ideally suited for large-scale surveillance in cities, roadways, airports, government facilities, schools and campuses, industrial environments and anywhere detailed surveillance is essential.

HDZ302DE / HDZ302D / HDZ302DIN

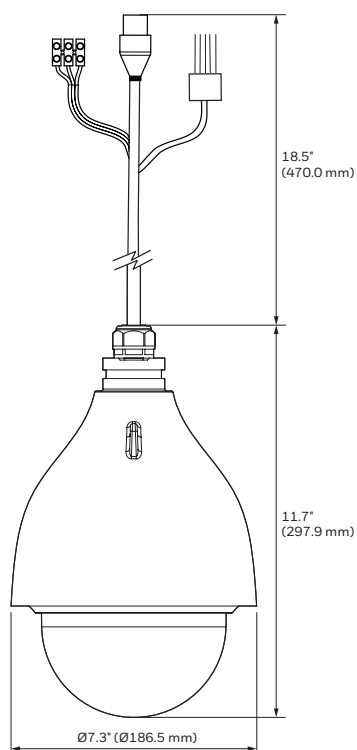
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FEATURES

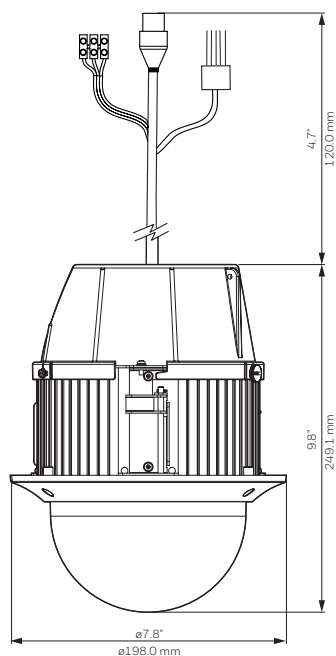
The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Automated responses include: sending a notification through email, FTP, and/or HTTP; sending a still image of the event through email and/or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



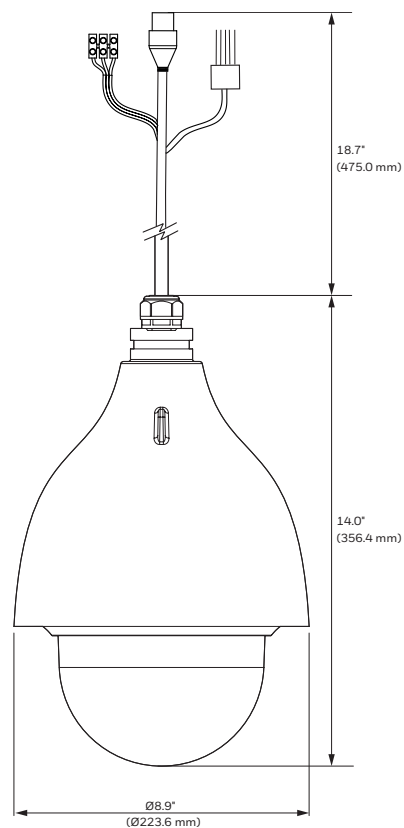
DIMENSIONS



HDZ302D



HDZ302DIN



HDZ302DE

HDZ302DE / HDZ302D / HDZ302DIN

Indoor/Outdoor 30x Zoom WDR PTZ IP Cameras

Technical Specifications

HDZ302DE		HDZ302DE
CAMERA		
Image Sensor	1/2.8" Sony Progressive CMOS	
Optical Zoom	30x	
DIGITAL ZOOM	16x	
NUMBER OF PIXELS (H×V)	1920x1080 (1080p)	
Shutter WDR	120 dB	
S/N RATIO	≥ 55 dB (AGC Off)	
MINIMUM ILLUMINATION	0.005 lux (color)/0.0005 lux (B/W) @ F1.6, 30 IRE	
FOCAL LENGTH	4.5 mm - 135 mm	
MAX APERTURE	F1.6 - F4.4	
FOCUS MODE	Manual/Auto/PTZ Trigger/Zoom Trigger	
Electronic Shutter	1/1 to 1/30,000 sec	
ANGLE OF VIEW	H: 62.35° – 2.53°; V: 37.87° – 1.79°	
WHITE BALANCE	Auto/Indoor/Outdoor/ATW/Manual	
EXPOSURE MODE	Iris Priority/Shutter Priority/Gain Priority/Manual	
BACKLIGHT COMPENSATION	BLC / HLC / WDR	
DEFOG	On/Off	
Electronic Image Stabilization	On/Off	
DAY/NIGHT	Auto/Color/BW	
OPERATIONAL		
PAN TRAVEL	360° endless	
TILT TRAVEL	–20° to 90°, auto flip 180°	0° to 90°, auto flip 180°
MANUAL PAN SPEED	Up to 500°/s	Up to 400°/s
MANUAL TILT SPEED	Up to 400°/s	Up to 200°/s
PRESETS	250	
PRESET SPEED	Pan: Up to 500°/s; Tilt: Up to 400°/s	Pan: Up to 400°/s; Tilt: Up to 200°/s
TOURS	8	
AUTO PAN/SCAN	1 / 1	
PATTERN	5	
PRIVACY MASKS	24	
MOTION DETECTION	On/Off	
Preset Accuracy	0.2°	

IMAGE ROTATION	Flip
AUDIO IN/OUT	1 / 1
ALARM INPUT/OUTPUT	7 / 2 2 / 1
VIDEO ANALYTICS	Intrusion trace; Auto-tracking; Face detection; Audio detection
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
EVENT	Motion Detect; Video Tamper; Audio Detect; No SD card; SD card error; SD card capacity warning; Network disconnection; IP address conflict; Illegal access; Intrusion; Face detection

Auto Resume After Power Failure	Yes
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ELECTRICAL		
POWER SOURCE	24 V AC ± 25%, 3A and PoE+ (802.3at) class 4	24 V AC ± 25%, 1.5A and PoE+ (802.3at) class 4
POWER CONSUMPTION	13 W; 31 W Max (Heater On)	HDZ302D: 13 W; 23 W Max (Heater On) HDZ302DIN: 13 W
IMAGE ROTATION	50/60 Hz	

MECHANICAL		
DIMENSIONS	Ø223.6 mm x 356.4 mm (Ø8.8" x 14.0"), Cable length: 475 mm (18.7")	HDZ302D: Ø186.5 mm x 297.9 mm (Ø7.3" x 11.7"), Cable length: 470 mm (18.5") HDZ302DIN: Ø198.0 mm x 249.1 mm (Ø7.8" x 9.8"), Cable length: 120 mm (4.7")
PRODUCT WEIGHT	3.9 kg (8.6 lb)	HDZ302D: 2.7 kg (6.0 lb) HDZ302DIN: 2.2 kg (4.9 lb)
CONNECTORS	Video output (AUX): BNC connector Power input: Bare wire with connectors Network: RJ45 connector Alarm I/O: Twisted wire (7 in/2 out) Audio I/O: Twisted wire (1 in/1 out) RS485: Twisted wire	Power input: Bare wire with connectors Network: RJ45 connector Alarm I/O: Twisted wire (1 in/1 out) Audio I/O: Twisted wire (1 in/1 out)
CONSTRUCTION MATERIAL	Aluminum	
CONSTRUCTION COLOR	White (RAL CODE 9003)	

HDZ302DE / HDZ302D / HDZ302DIN

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Technical Specifications

ENVIRONMENTAL	
OPERATING TEMPERATURE	HDZ302DE: -40°C to 70°C (-40°F to 158°F) HDZ302D: -40°C to 60°C (-40°F to 140°F) HDZ302DIN: -10°C to 60°C (14°F to 140°F)

RELATIVE HUMIDITY Up to 95%, non-condensing

WATERPROOF STANDARD	IP67 IP66 (HDZ302D only)
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Impact Rating IK10 (HDZ302DIN: IK10 only for bubble)

IP SPECIFICATIONS

VIDEO COMPRESSION H.265 / H.264 / MJPEG

VIDEO STREAMING	Primary Stream: 1080p @ 60/50 fps; 1.3M/720p @ 30/25 fps Second Stream: 1080p/1.3M/720p @ 30/25 fps Third Stream: D1/CIF @ 30/25 fps
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VIDEO RESOLUTION Up to 1920x1080p

AUDIO COMPRESSION	G.711a/G.711Mu/AAC/G.722/G.726/MPEG2-L2
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AUDIO STREAM Full-duplex, Simplex

INTERFACE	RJ-45, 10/100 Mbps Ethernet
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SUPPORTED PROTOCOLS* 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
HDZ302DE only: 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, Force to HTTPS with secure protocol TLS1.2 only and high strength encrypted algorithm AES-256, SSH/Telnet closed and FTP disabled for reducing the surface being attacked, comply with PCI-DSS, Cyber security hardware chipset built-in
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MAXIMUM USERS ACCESS 20 users

MICRO SD	Support for microSD up to 128 GB (card not included)
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MicroSD Function Event trigger recording
Continuous and scheduled recording Automatic recording when network fails

Supported Web Browsers	Internet Explorer (11.0+), Firefox, Chrome
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Supported OS Windows 7 32-bit/64-bit

Communication	ONVIF Profile S and G
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REGULATORY

EMISSIONS	EN55032, FCC Part 15B AS/NZS CISPR 22:2009+ A1 (2010) EN55032, FCC Part 15BAS/NZS CISPR 22:2009+ A1 (2010)
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IMMUNITY EN50130-4

SAFETY	EU: EN60950-1, EN60950-22 North America UL listed to UL/CSA 60950-1, 60950-22
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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.

ACCESSORIES, SYSTEM COMPATIBILITY AND 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.



HDZ302DE / HDZ302D / HDZ302DIN

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ACCESSORIES, SYSTEM COMPATIBILITY AND ORDERING

HOUSINGS AND MOUNTS (HDZ302D AND HDZ302DE)			HONEYWELL DEVICE INTEGRATION	
HDZNPTA		1.5" NPT Adapter	MAXPRO® NVR FAMILY	Entry to Enterprise Level Network Video Recorders (version 4.0 and greater)
HDZWM1		Wall Mount	MAXPRO® VMS FAMILY	Entry to Enterprise Level Network Video VMS (version R410 and greater)
HDZWM2		Wall Mount with access hole	DVM	DVM R600.1 SP1
HDZCMA		Corner Mount adapter for wall mount	HUS	HUS 5.1
HDZPMA		Pole Mount adapter for wall mount	ACCESSORIES (HDZ302DIN ONLY)	
HDZCM1		Ceiling Mount	HDZINPL	 In-Ceiling PTZ Camera Support Plate (Drop Ceiling)
HDZJB		Junction Box	HDZINSM	 In-Ceiling PTZ Camera Snap Mount used with HDZINKIT to make compatible with old in-ceiling back can housings
HDZGM		Wall Mount Gooseneck Bracket (HDZ302D only)		
HDZCM2		Ceiling Mount extension pole for HDZCM1, 220 mm		
HDZCM3		Ceiling Mount extension pole for HDZCM1, 420 mm		

ORDERING

HDZ302DE	Network TDN PTZ 6" Indoor/Outdoor Dome, 1080p Resolution, 30x Zoom, WDR, H.265/H.264, NTSC/PAL, IK10, IP67, micro SD Card Compatible (Supports up to 128 GB cards, card not included)
HDZ302D	Network TDN PTZ 5" Indoor/Outdoor Dome, 1080p Resolution, 30x Zoom, WDR, H.265/H.264, NTSC/PAL, IK10, IP66, micro SD Card Compatible (Supports up to 128 GB cards, card not included)
HDZ302DIN	Network TDN PTZ Indoor, In-Ceiling Dome, 1080p Resolution, 30x Zoom, WDR, H.265/H.264, NTSC/PAL, IK10, micro SD Card Compatible (Supports up to 128 GB cards, card not included)

NOTE:

Honeywell reserves the right, without notification, to make changes in product design or specifications.

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PTZ IP CAMERAS

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