

1080p TDN WDR IR PTZ Camera

HDP302DQI

Honeywell's new HDP302DQI PTZ dome camera provides extremely crisp video at up to 30x zoom for continuous surveillance in indoor or outdoor environments. Employing Honeywell's HQA technology, it delivers full HD images over existing coax infrastructure.

Superior Image Quality

- Full HD 1080p 25/30 fps image with a 1/2.8" 2 megapixel sensor
- Long distance transmission over coaxial cable with low attenuation and latency—up to 984 ft (300 m) using RG-59/U cable
- Wide Dynamic Range, up to 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

Flexible Surveillance Solution

- 4.5–135 mm lens with 30x optical zoom
- IR LEDs provide up to 492 ft (150 m) of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Waterproof (IP66) camera housing
- –40°F to 158°F (–40°C to 70°C) working temperature
- Plug-and-play compatible with Honeywell 4/8/16-channel Performance Series HQA DVRs

Easy to Install and Use

- 24 V AC power input
- Uses existing BNC cabling—no rewiring required
- If used with a Honeywell Performance Series HQA DVR, it can be controlled directly via BNC (no RS-485 cable required)
- Wall mount bracket and 1.5" NPT adapter included
- Remote configuration through web client or from the DVR



Market Opportunities

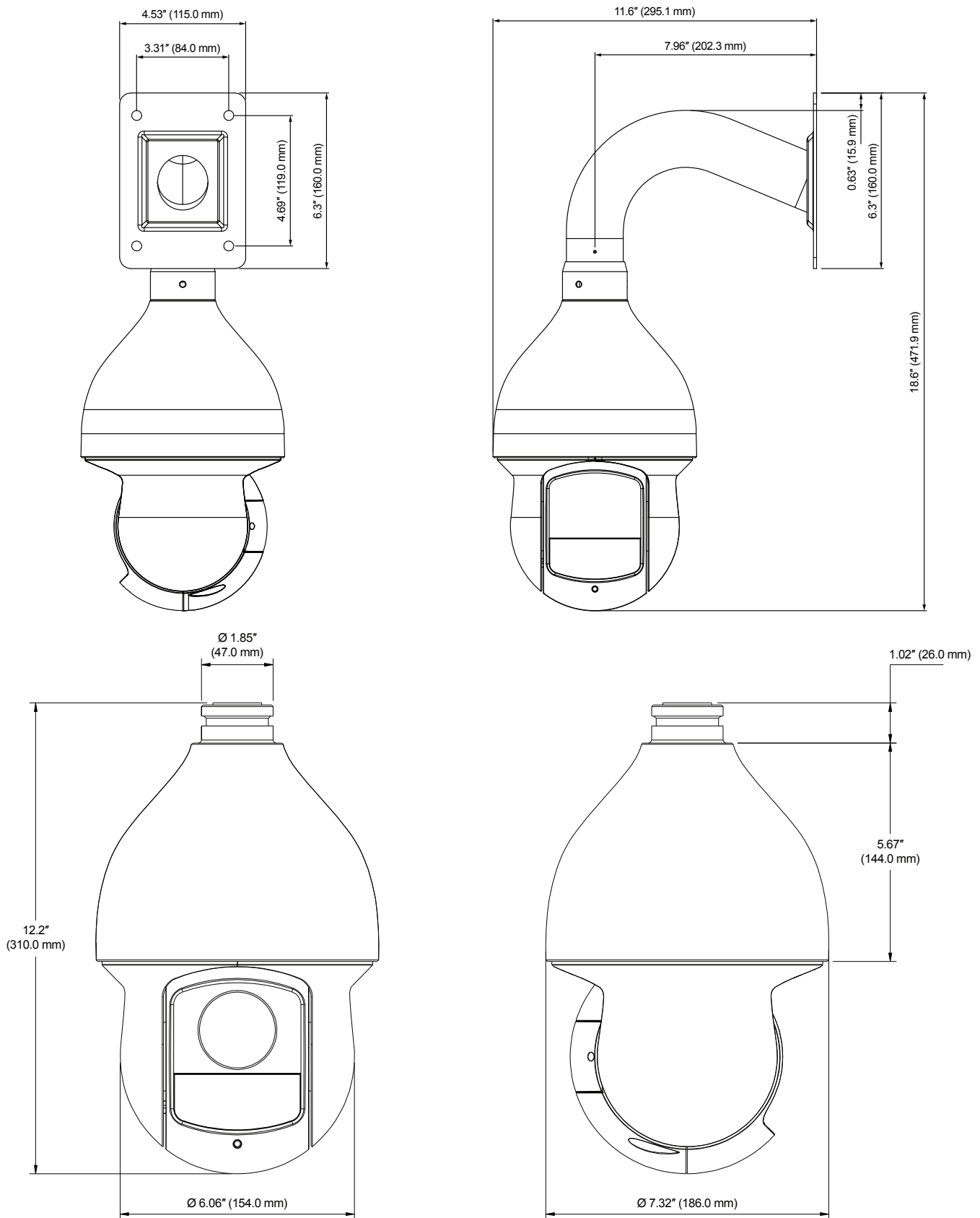
The HDP302DQI is ideally suited for large-scale surveillance applications, including airports, government facilities, and campuses, providing excellent picture quality while offering reliable protection against dust, dirt, and water.

FEATURES AND BENEFITS

- 1/2.8" 2 MP progressive scan imager
- 4.5–135 mm lens
- 30x optical zoom, 16x digital zoom
- True day/night (IR-cut filter)
- Wide dynamic range up to 120 dB
- Up to 30 fps @ 1080p resolution
- Low-light performance down to 0.005 lux (color) or 0 lux with IR LEDs on
- Up to 492 ft (150 m) IR illumination, depending on scene reflectance
- Switchable HQA/CVBS video input
- Transmission distances up to 984 ft (300 m)
- 24 V AC input
- IP66-rated waterproof housing

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DIMENSIONS









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SPECIFICATIONS

OPERATIONAL		ELECTRICAL	
VIDEO STANDARD	NTSC/PAL	POWER SUPPLY	24 V AC, 3 A±10%
SCANNING SYSTEM	Progressive scan	POWER CONSUMPTION	12 W max. 25 W max. (IR LEDs on)
IMAGE SENSOR	1/2.8" 2 MP CMOS	MECHANICAL	
NUMBER OF PIXELS (H×V)	1920×1080	DIMENSIONS	7.32 × 12.2 in. (186.0 × 310 mm)
ELECTRONIC SHUTTER SPEED	1/1–1/30,000 s	WEIGHT	7.72 lb (3.5 kg)
MINIMUM ILLUMINATION	0.005 lux, F1.6 (color) 0 lux (IR LEDs on)	CONSTRUCTION	Die-cast aluminum housing with powder coat
S/N RATIO	50 dB or more	CONSTRUCTION COLOR	RAL 9003 (White)
RESOLUTION	25/30 fps @ 1080p 25/30/50/60 fps @ 720p	ENVIRONMENTAL	
VIDEO OUTPUT	Switchable between 1-channel BNC HQA high definition and CVBS standard definition	TEMPERATURE	–40°F to 158°F (–40°C to 70°C)
IR DISTANCE	Up to 492 ft (150 m), depending on scene reflectance	RELATIVE HUMIDITY	0–90%, non-condensing
DAY/NIGHT	Auto (ICR)/Color/BW	INGRESS PROTECTION	IP66
BACKLIGHT COMPENSATION	BLC/HLC/WDR (120 dB)	REGULATORY	
WHITE BALANCE	Auto/ATW/Indoor/Outdoor/Manual	EMISSIONS	FCC Part 15
GAIN CONTROL	Auto/Manual	SAFETY	UL Listed to UL/CSA 60950-1
NOISE REDUCTION	2DNR/3DNR		
PRIVACY MASKING	Up to 24 areas		
DIGITAL ZOOM	16x		
LENS	4.5–135 mm, auto/manual iris, F1.6–F5.0, 30x optical zoom		
HORIZONTAL ANGLE OF VIEW	67.8°–2.7°		
CLOSE FOCUS DISTANCE	100–1000 mm		
PTZ			
PAN/TILT RANGE	Pan: 0°–360° endless Tilt: –15°–90° Auto flip: 180°		
MANUAL CONTROL SPEED	Pan: 0.1°–300° per second Tilt: 0.1°–200° per second		
PRESET SPEED	Pan: 400° per second Tilt: 300° per second		
PRESETS	300		
PTZ MODE	5 patterns/8 tours/auto pan/auto scan		
SPEED SETUP	Human-oriented focal length/speed adaptation		
POWER UP ACTION	Auto-restores previous PTZ and lens status after power failure		
IDLE MOTION	Activates preset/scan/tour/pattern if no command within specified period		
PROTOCOLS	HQA, Pelco-P/D		
AUDIO	1-channel input		
RS485	1-channel input		
ALARM	2-channel/1-channel input/output		

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ACCESSORIES		
HOUSINGS AND MOUNTS		
HDZCM1		Ceiling Mount
HDZCM2		Ceiling Mount Extension Pole for HDZCM1, 220 mm
HDZCM3		Ceiling Mount Extension Pole for HDZCM1, 420 mm
HDZCMA		Corner Mount Adapter for Included Wall Mount
HDZJB		Junction Box
HDZPMA		Pole Mount Adapter for Included Wall Mount

ORDERING	
CAMERAS	
HDP302DQI	TDN WDR IR PTZ Dome Camera, 1/2.8" 2 MP CMOS, 1080p, 4.5–135 mm, 30x, 4 High Power IR LEDs, 24 V AC

For more information

www.honeywell.com/security

Honeywell Security and Fire

2700 Blankenbaker Pkwy, Suite 150
 Louisville, KY 40299
 1.800.323.4576
www.honeywell.com

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

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