HDZ SERIES – ANALOGUE PTZ DOME

ANALOGUE TRUE DAY/NIGHT INDOOR AND OUTDOOR PTZ CAMERA WITH WIDE DYNAMIC RANGE

Honeywell's HDZ PTZ Series are True Day/Night, wide dynamic, pan, tilt and zoom cameras. They provide extremely crisp video and up to 36× zoom for continuous surveillance in outdoor environments and 30x zoom in indoor applications.

HDZ series cameras provide consistently high coverage to capture images of interest. Its 360° continuous rotation function and zoom lens (30x indoor, 36x outdoor) with up to 650 TVL gives you the flexibility to clearly view a target area with desired width and depth. Electronic Image stabilisation is also available for improved image quality in unstable mounting conditions.

HDZ series cameras are also equipped with Wide Dynamic Range (WDR), which is ideal for environments with high contrast and changing light conditions.

HDZ series outdoor cameras (HDZ36AE) are housed in an IP66-rated tamper-resistant dome to prevent the camera from damage by entering dust and heavy rain.

Market Opportunities

Ultra high-resolution video makes HDZ ideally suited for large-scale surveillance applications in cities, roads, airports, government facilities, schools and campuses, industrial environments, and anywhere detailed surveillance is essential.
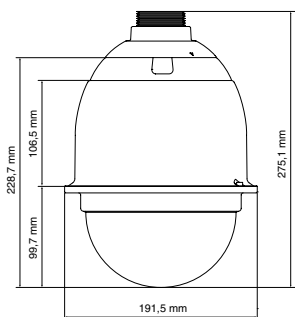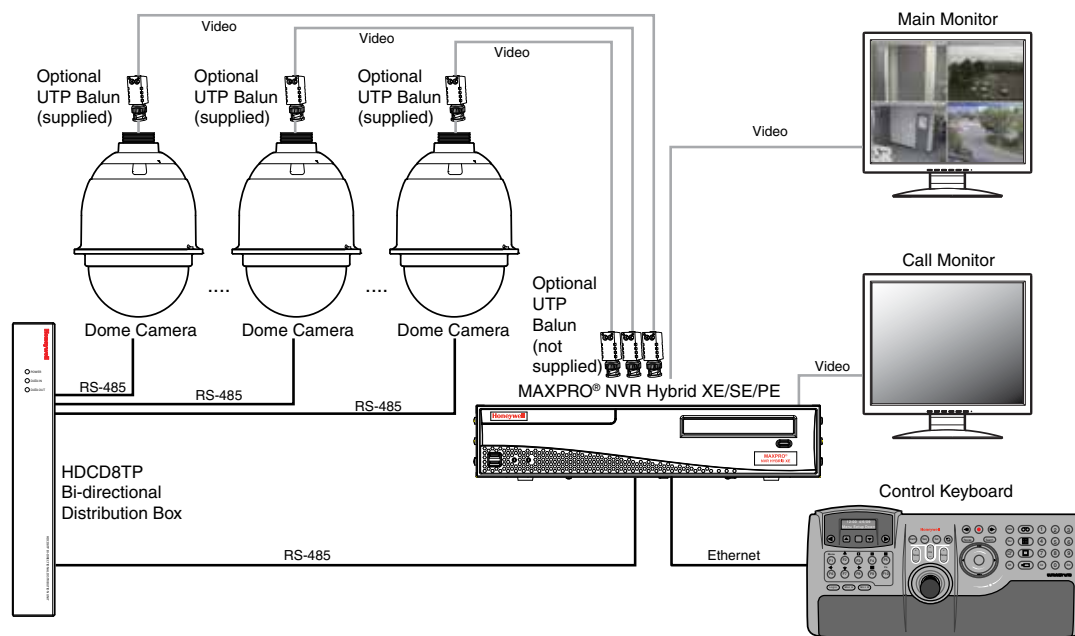
Features

- 36× (outdoor), 30x (indoor) optical zoom and 12x digital zoom
- Wide Dynamic Range
- Wide range of mounting options available (1.5" NPT)
- Supports Electronic Image Stabiliser (EIS)

- 650 TVL horizontal resolution
- High preset speed up to 400°/sec
- 24 V AC power input
- IP66/Vandal-proof acrylic (using IK10 Acrylic accessory, satisfying IK10 impact standard for HDZ unit)
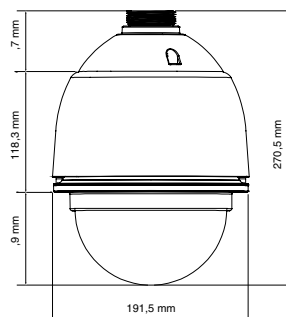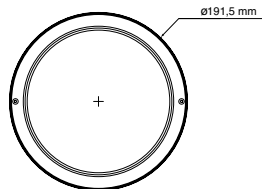
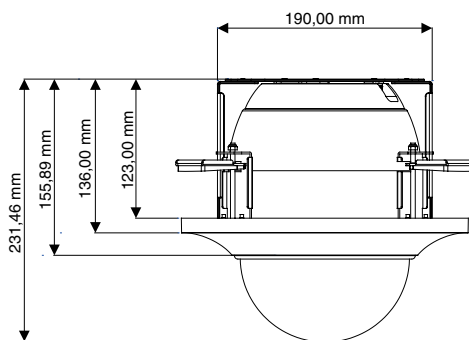# HDZ SERIES – ANALOGUE PTZ DOME
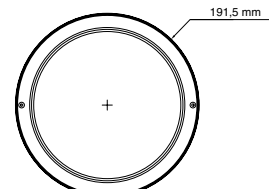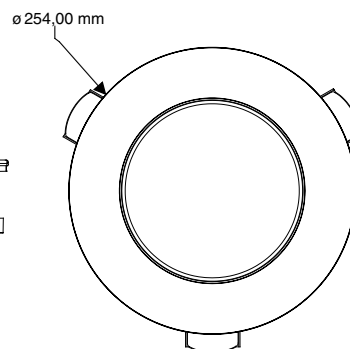
SYSTEM DIAGRAM AND DIMENSIONS

System Diagram

Indoor Pendant

Outdoor Pendant

Using In-Ceiling Bracket

HDZ SERIES – ANALOGUE PTZ DOME

SPECIFICATIONS

		HDZ Indoor	HDZ Outdoor
Camera			
Scanning System		PAL/NTSC	
Image Sensor		1/4" Sony 960H CCD	
Optical Zoom		30×	36x
Digital Zoom		12x	
Effective Pixels	NTSC	480K	
	PAL	570K	
Horizontal Resolution		≥650 TVL	
Video Output		1.0 Vp-p/ 75 Ohm, BNC; UTP supported with UTP balun as accessory*	
Wide Dynamic Range		On/Off	
S/N Ratio		>50 dB (AGC off)	
Minimum Illumination		0.08 lux (colour)/0.005 lux (B/W) @ F1.6, 30 IRE	
Max. Aperture Ratio		F1.6 (Wide), F4.5 (Tele)	
Focal Length		3.4 – 102 mm	3.4 – 122.4 mm
Angle of View	Horizontal	57.80° – 2.04°	57.80° – 1.70°
	Vertical	43.40° – 1.54°	43.40° – 1.28°
Focus Mode		Manual/Auto (Continuous/PTZ trigger/ Zoom trigger focus)	
White Balance		Auto/Indoor/Outdoor/ATW/Manual	
Iris Control		Auto/Manual	
Electronic Shutter		1/1 to 1/10,000 sec	
AGC Control		Auto/Manual	
Backlight Compensation		On/Off	
Electronic Image Stabiliser (EIS)		On/Off	
Electrical			
Power Source		24 V AC ± 10%	
Power Consumption		20 W	50 W (with heater)
Mechanical			
Dimensions		ø191.5 x 270.5 mm (ø7.5" x 11.0")	ø191.5 x 275.1 mm (ø7.5" x 10.8") with sunshield
Weight		2.2 kg 3.1 kg with in-ceiling bracket	2.6 kg with sunshield
Environmental			
Operating Temperature		0°C to 50°C	-40°C to 50°C **
Relative Humidity		10% to 90%, non-condensing	
Waterproof Standard		IP66 and NEMA 4X (HDZ Outdoor)	
Impact Rating		IK10 – when using HDZIK10AC	

		HDZ Indoor	HDZ Outdoor
Operational			
Multi Language OSD		English, French, German, Italian, Russian, Spanish, Portuguese, Dutch, Czech, Polish, Traditional Chinese, Simplified Chinese, Turkish and Japanese	
Pan Travel		360° endless	
Tilt Travel		-10° to 190°	
Manual Pan Speed		0.5° to 200°/s	
Manual Tilt Speed		0.5° to 84°/s	
Presets		256	
Preset Accuracy		0.225°	
Maximum Preset Speed		Up to 400°/s	
Preset Tours		16 tours with up to 32 presets per tour	
Auto Pan		4	
Mimic Tours		16 tours with up to 100 seconds per tour	
Privacy Mask		16 zones	
Proportional Pan/Tilt		On/Off (Pan and tilt speed proportional to zoom ratio)	
Auto Resume After Power Failure		Yes	
Home Function		Preset, Preset tour, Auto pan, Mimic tour	
Auto Flip		Mechanical/Digital/Off	
Digital Slow Shutter		On/Off	
Motion Detection		On/Off	
Wide Dynamic Range		On/Off	
Day/Night: IR Cut Filter		On/Off	
Image Freeze		On/Off	
Image Inverse		On/Off	
Noise Reduction	2D	On/Off	
	3D		
Zone Title (Sectors)		16 independent zones	
Supported Protocols		MAXPRO (Diamond), VCL, Pelco-D, Pelco-P	
Receiver/Driver		RS485 Addressing: 8 position DIP switch	
Alarm	Inputs	x4	
	Outputs	x2	
Alarm Reaction		Preset, Preset tour, Auto pan, Mimic tour	
Regulatory			
EMC	Emissions	North America: FCC part 15B, ICES-003 EU: EN 55022	
	Immunity	EN 50130-4	
Safety		North America: UL/CSA 60950-1, UL/CSA 60950-22 (outdoor models) EU: EN 60950-1, EN 60950-22 (outdoor models)	
RoHS		EN 50581	

* **Note:** The passive UTP balun included in the package is suitable for UTP transmission distance of up to 100 meters. Please use an active UTP balun (not included in package) for longer transmission distances.

** **Note:** Protecting the dome from direct sunlight in high temperature environments is advised.

HDZ SERIES – ANALOGUE PTZ DOME

ORDERING

Accessories			
HDVWM1	Indoor Only Wall Mount	HDXCMA1	Corner Mount Adapter for HDXWM2
HDXWM2	Indoor and Outdoor Wall Mount	HDZVRSMKAC	Smoked Polycarbonate Vandal-Proof Dome Cover for HDZ Series
HDPRM2	Parapet and Roof Mount	HDZIK10AC	Clear IK10 Vandal-Proof Acrylic for HDZ Series
HDCM1	Ceiling Mount for Indoor Pendant (Not for Outdoor Use)	HDZINBKT	In-Ceiling Bracket for HDZ Series
HDXPMA2	Pole Mount Adapter for HDXWM2	517082-7130	In-Ceiling PTZ Support Plate

System Compatibility	
Note: For latest system compatibility information, visit www.honeywellvideo.com	
Honeywell Device Integration	
MAXPRO® NVR Hybrid XE, SE, PE	Hybrid Network Video Recorder
Fusion	Full featured hybrid Digital Video Recorder, version 3.6 or higher
HVE Encoders	Network Audio/Video Encoder
Rapid Eye	Digital Video Recorders
HRDP	Digital Video Recorders
HREP II	Digital Video Recorders
HVBPIT44	Protocol Translator
HVBGPIO	Protocol Translator
MegaPIT	Protocol Interface Translator
HJC4000	UltraKey Touch Keyboard/Controller

Ordering	
HDZ30A	True Day/Night 650 TVL PTZ Dome, Indoor Pendant, Clear, 30×, 24 V AC, NTSC
HDZ30AX	True Day/Night 650 TVL PTZ Dome, Indoor Pendant, Clear, 30×, 24 V AC, PAL
HDZ36AE	True Day/Night 650 TVL PTZ Dome, Outdoor Pendant, Clear, 36×, 24 V AC, NTSC
HDZ36AEX	True Day/Night 650 TVL PTZ Dome, Outdoor Pendant, Clear, 36×, 24 V AC, PAL

For additional information, please visit

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