

## HD8EXGCM18W

### 8" EXPLOSION PROOF PTZ DOME CAMERA

The HD8EXGCM18W has been developed through a combination of electronic and engineering innovations to produce the smallest fully-integrated explosion-proof, high speed PTZ camera available today. At less than 18" high and 7.8" in diameter, and with a weight of only 44 pounds (20 kg), it can be installed almost anywhere.

The HD8EXGCM18W provides the ultimate in explosion protection in the most severely explosive atmospheres. With its EEx d IIC (Zone 0, Group IIC for explosive gas environment) rating, it is suitable for all non-mine installations where acetylene, hydrogen, ethylene, propane, methane or similarly dangerous gases may be present. The HD8EXGCM18W also has an IP66 rating for use in extremely dusty environments or in areas with heavy seas and/or strong jets of water.


The HD8EXGCM18W features an 18X TDN camera that automatically removes the IR cut filter in extreme low-light conditions, allowing performance in light as low as 0.01 lux. The HD8EXGCM18W provides 360° of continuous rotation at 0.1°/second to 400°/second and a 0° to -90° tilt range.

The HD8EXGCM18W features up to 128 presets, 4 preset tours and 4 mimic tours. The dome also features a home position to return to a user-selected position or start a user-defined tour after a period of inactivity. This ensures unattended viewing of critical or important areas.

#### Market Opportunities

The simple modular design of the HD8EXGCM18W Explosion Proof camera facilitates quick and easy installation and maintenance. Quality construction, combined with reliable electronics, ensures low maintenance and long service life, even in the most severe conditions. Ideal for heavy industrial, petroleum refineries, chemical processing plants, marine installations, and similar harsh environments.

#### Features


- DNV-2004-OSL-ATEX-0115 rated for the most volatile environment including continuously present explosive atmospheres. This unit can be mounted in Zone 0 "hot zones."
- EEx d IIC,  II 2 G rated
- Constructed of 316L stainless steel for applications in salt water and other corrosive environments
- IP66 rated to withstand high pressure water washes and high dust conditions
- 18X TDN High Resolution, low light camera
- Camera assembly is plug and play for ease of installation and maintenance
- 400° per second pan speed
- 360° continuous pan
- 90° tilt




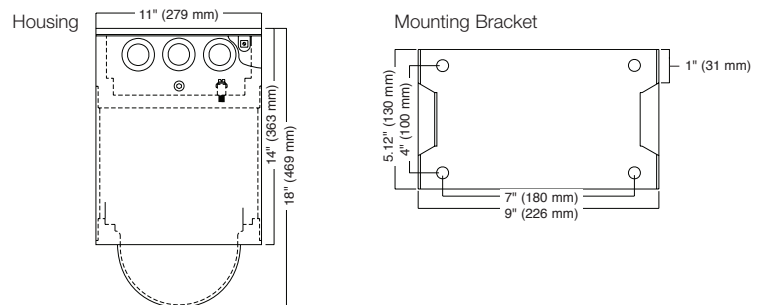
# HD8EXGCM18W

www.honeywellvideo.com

## SPECIFICATIONS

Camera	
Image Sensor	1/4" EX view HAD CCD
Aspherical Lens	18X optical zoom, f=4.1 mm (wide) to 73.8 mm (tele), F1.4 to F3.0
Horizontal Resolution	>470 TVL (NTSC) >460 TVL (PAL)
Digital Zoom	8X (144X total zoom)
Angle of View (H)	48° (wide end) to 2.8° (tele end)
Sync System	Internal / AC line lock
Minimum Illumination	0.7 lux , 0.01 lux (IR filter removed) (50 IRE, AGC on)
S/N Ratio	>50 dB
Electronic Shutter	1/1 to 1/10,000 sec
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain	Auto/Manual (0 to 28 dB, 2 dB steps)
AE Control	Auto, Manual, Exposure level, Backlight compensation
Backlight Compensation	On/Off
Focusing System	Auto/Manual
Electrical	
Input Voltage	100 to 240 VAC, 47 to 63 Hz
Power Consumption	60 Watts
Mechanical	
Dimensions (W x H x D)	See line drawings
Weight	Unit: 44 lbs (20 kg) Shipping: 60 lbs (27.22 kg)
Construction	Housing: 316L Stainless Steel Dome: Optical grade, NEMKO 00ATEEX375U compliant polycarbonate
Connectors	Video Output: Video Terminal pair Power Input: AC Power Terminal Pair
Environmental	
Temperature	Operating: -4°F to +140°F (-20°C to +60°C) Storage: -6°F to +150°F (-25°C to +65°C)
Relative Humidity	0 to 95% non-condensing
Ratings	EEx d IIC,  II 2 G rated DNV-2004-OSL-ATEX-0115 IP66
Accessories	
HJZTP	Joystick Controller
HD8CD8TP	8-Port RS485 Code Output Unit

Operational	
Angular Travel	Pan: 360° continuous Tilt: horizontal to -90°
Angular Speed	Pan: variable from 0.1° to 400°/second Tilt: variable from 0.1° to 200°/second
Speed to Preset	<0.5° seconds
Preset Accuracy	2% accuracy
Presets Per Dome	128 preset positions
Preset Tours	4 tours with up to 128 present tours
Mimic Tours	4, up to 3 minutes each
Sector Identification	16 independent sectors (zones)
Privacy Zones	28 programmable zones
Alarm Processing	4 on-board alarm inputs for dry contacts
Protocol Supported	Honeywell Diamond, Honeywell VCL and Pelco P & D, Vicon, Molynx, Ernitek
Default Function	Activates preset, preset tour or mimic tour after user-defined period of inactivity.
Digital Zoom Label	Provides on-screen identification of digital zoom setting (i.e., 2X, 4X, 12X). User can select if On or Off.
Freeze Frame of Video	When activated, the unit freezes the video signal for assessment or recording
Receiver/Driver	Digital communication: RS485 Addressing: numeric rotary switches Protocol: DIP switch Battery-backed memory
Regulatory	
Emissions	FCC: 47 CFR Part 15; Subpart B, Class B, CE: EN 61000-6-4:2001; CISPR 22, Class B
Immunity	EN 50130-4:1995+A1:1998
Safety	CE: EN 50014:1997+A1: 1999+A2 EN 50018:1994 EN 50019:1994 IEC 60079-0: 2000 IEC 60079-1:1998 IEC 60079-7:1990 + A1: 1993
Ex-Code	EEx d IIC,  II 2 G rated DNV-2004-OSL-ATEX-0115 (Zone 0, Group IIC for explosive gas environment)



Ordering	
HD8EXGCM18W	18X TDN High Speed PTZ Dome Camera (NTSC) in 8" EEx d IIC rated explosion proof housing
HD8EXGCM18WX	18X TDN High Speed PTZ Dome Camera (PAL) in 8" EEx d IIC rated explosion proof housing

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

### Honeywell Security

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