

## Overview

The DM2 and DR2 security cameras provide high-quality surveillance images in a variety of discreet commercial applications. DM2 and DR2 domes can be mounted in a variety of positions including wall mount, ceiling mount, pendant mount and flush mount (DR2 only). The camera can be rotated 360 degrees and tilted 90 degrees into the most desirable viewing angle using the 3-axis gimble mounting system. Each housing comes with a captive shroud that conceals the easy-to-position camera.

The DM2 is a plastic housing designed for indoor use. The DR2 is an aluminum vandal-resistant IP66-rated environmental housing designed for indoor and outdoor use. Both housings feature a polycarbonate dome for extra durability.

The DR2 and DM2 dome housings offer three great camera options to choose from, making it easy to get the right camera for the right situation.

### Ultra-Wide Dynamic Range

The XP3 cameras use UltraView Xposure technology. Each pixel is individually optimized to show details in shadows and highlights. This ultra-wide dynamic range camera option will deliver usable images in the most challenging high-contrast lighting conditions. The improved low-light performance makes this option a true high-performance WDR camera. These camera options deliver an astounding 520 TVL of color resolution.

### High Dynamic Range

The HDR cameras use a Sony double-speed CCD sensor with a wide dynamic range that makes surveillance under various critical backlighting environments possible. Micro-controllers in each camera provide high-quality digital images. Excellent low-light performance makes this a great choice for changing lighting conditions. The optional Day/Night models feature a removable IR cut filter, enabling the use of an external IR illuminator. These versatile camera options deliver 500 TVL resolution in color.

### General Purpose

The EVR cameras incorporate a Sony CCD, DSP and a micro-controller to provide high-quality images with good color reproduction and sharp pictures. These camera options deliver 540 TVL resolution color as well as feature an advanced auto-exposure system for fixed and autoiris lenses that optimizes the available light.

## Standard Features

### Top-quality images

- Digital signal processing
- Excellent performance in most lighting conditions
- Choice of sensor devices for any application
- UltraView Xposure technology available

### Housings for all applications

- Uses a true "3-Axis Gimble" which allows for optimization of the field of view level regardless of mounting location
- Polycarbonate dome with captive shroud for easy installation, vandal resistance and to conceal camera position
- Heavy-duty indoor/outdoor and lightweight indoor options (Rugged Dome housing is IP66 rated)
- 12 VDC/24 VAC

### Easy setup

- The 3-axis gimble allows for wall mounting of the dome while maintaining a level viewing horizon
- On-screen display menu walk users through options
- Secondary video output inside the dome bubble for local test monitor during setup

# DM2/DR2 Domes

high-performance dome cameras



## Application

The DM2 and DR2 dome cameras are notable for their ability to work in just about any environment. Because the available camera options perform in extreme high and low-light situations, it's easy to find a camera tailored to most security applications.

The discreet DM2 is ideal for indoor applications including retail environments and healthcare facilities. The DR2, with its vandal resistant and weather resistant characteristics, is well-suited for exterior installations including shipping ports and banking institutions as well as parking lots.

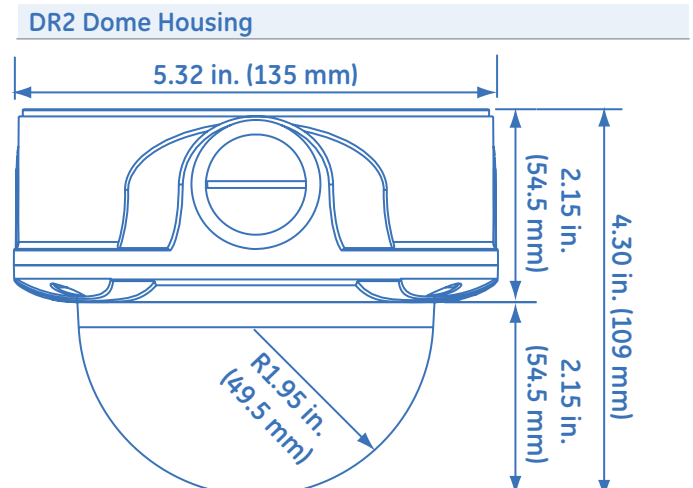
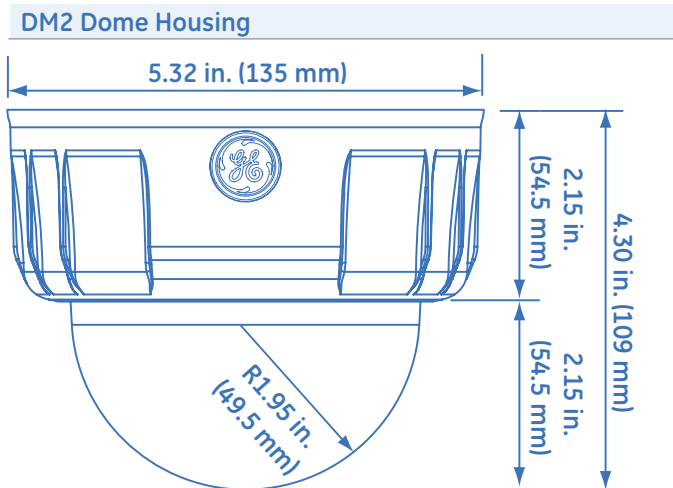
Typical Camera Locations	XP3	HDR	EVR
Loading docks	Y	Y	N
ATM kiosks	Y	Y	N
Retail stores	Y	Y	Y
Office lobbies	Y	Y	Y
Automotive dealership showrooms	Y	Y	N
Hospital hallways / surgical suites	Y	Y	N
Parking garages	N	Y	Y

## Specifications

DM2/DR2 Camera Models	DRX/DMX (XP3)	DRH/DMH (HDR)	DRE/DME (EVR)
<b>Features</b>			
Sensor	1/3-in. GE Xposure	1/3-in. interline transfer Double Speed CCD	1/3-in. interline transfer Super HAD CCD
Wide Dynamic Range	95 dB typical, 120 dB max	52 dB	—
Signal System	NTSC/PAL Selectable	NTSC or PAL standard	NTSC or PAL standard
Scanning System	525/60 (NTSC); 625/50 (PAL)	525/60 (NTSC), 625/50 (PAL); 2:1 Interlace	525/60 (NTSC), 625/50 (PAL); 2:1 Interlace
Digital Zoom	—	—	—
Synchronization	DC Internal/AC Line Lock	DC Internal/AC Line Lock	DC Internal/AC Line Lock
Effective Pixels (HxV)	720 x 540 (NTSC and PAL)	811 x 508 (NTSC); 795 x 596 (PAL)	811 x 508 (NTSC); 795 x 596 (PAL)
Horizontal Resolution	540 TVL	500 TVL color	540 TVL color
Sensitivity	0.5 lux @ f1.2, 30 IRE	0.5 lux @ f1.2, 30 IRE	1.0 lux @ f1.5, 30 IRE
S/N Ratio	> 49 dB	> 48 dB	> 49 dB
AGC	on/off, fully programmable	0 to 36 dB	0 to 32 dB
Gamma Compensation	0.45 NTSC; 0.36 PAL	8 Curves selectable	9 Curves selectable
Composite Output	1.0 V p-p @ 75 ohms	1.0 V p-p @ 75 ohms	1.0 V p-p @ 75 ohms
Frame Integration	2X~32X	2X~160X	—
Privacy Masking	—	8 areas ON/OFF, color, position, size adjustable	8 areas ON/OFF, 2 colors, position, size adjustable
Mirror	Horizontal	Horizontal, Vertical, 180°	—
White Balance	ATW/ATW-Extend/Manual	ATW/Manual	ATW/AWB/Manual
D/N Switching	—	Lens with IR cut filter/auto	—
Aperture Correction	—	3 levels adjustable	0 to 9 steps adjustable
Lens Mount	D-mount	D-mount	D-mount
Lens Options	3.3 to 12 mm AI f1.5 9 to 22 mm AI f2.0	3.3 to 12 mm AI f1.5 9 to 22 mm AI f2.0	3.3 to 12 mm AI f1.5 9 to 22 mm AI f2.0
Auto Exposure	—	1/60 (1/50) sec	1/60 (1/50) sec
Manual Exposure	—	1/60 (1/50), 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec. (only in normal light mode)	1/60 (1/50), 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec.
<b>Environmental</b>			
Operating Temperature	-58 to 122°F (-50 to 50°C)	-22 to 122°F (-30 to 50°C)	-22 to 122°F (-30 to 50°C)
<b>Electrical</b>			
Input Voltage	12 VDC or 24 VAC	12 VDC or 24 VAC	12 VDC or 24 VAC
Power Consumption	3W (DC); 2.4 W (AC)	3.4W (DC); 2.9 W (AC)	4.5 W (DC); 3.6 W (AC)
<b>Physical</b>			
Dimensions	5.32 x 4.30 in. (135 x 109 mm)	5.32 x 4.30 in. (135 x 109 mm)	5.32 x 4.30 in. (135 x 109 mm)
Weight	DM2: 14.5 oz (411 g) DR2: 33.4 oz (949 g)	DM2: 14.5 oz (411 g) DR2: 33.4 oz (949 g)	DM2: 14.5 oz (411 g) DR2: 33.4 oz (949 g)
<b>Regulatory Certifications</b>	FCC, CE, C-TICK, UL	FCC, CE, C-TICK, UL	FCC, CE, C-TICK, UL

## Dimensional Diagrams

The DM2 and DR2 housings are interchangeable – select the best housing for your environment and add an XP3, HDR or EVR camera.



## Ordering Information

DM2 Dome Housing / Camera with 540 TVL and UltraView WDR	
GEC-DMX-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMX-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC
DM2 Dome Housing / Camera with 500 TVL and WDR	
GEC-DMHDN-VA3	Day/Night, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMHDN-VA9	Day/Night, 9-22mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMHDNP-VA3	Day/Night, PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMHDNP-VA9	Day/Night, PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMH-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMH-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMHP-VA3	PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMHP-VA9	PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC
DM2 Dome Housing / Camera with 540 TVL	
GEC-DME-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DME-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMEP-VA3	PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DMEP-VA9	PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC
DR2 Dome Housing / Camera with 540 TVL and UltraView WDR	
GEC-DRX-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DRX-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC
DR2 Dome Housing / Camera with 500 TVL and WDR	
GEC-DRHDN-VA3	Day/Night, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DRHDN-VA9	Day/Night, 9-22mm Varifocal Autoiris, 12VDC/24VAC
GEC-DRHDNP-VA3	Day/Night, PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DRHDNP-VA9	Day/Night, PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC
GEC-DRH-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DRH-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC
GEC-DRHP-VA3	PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC
GEC-DRHP-VA9	PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC
UTP Versions DM Plastic Dome	
GEC-DMEPU-VA3	PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMEPU-VA9	PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMEU-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMEU-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP

DM Plastic Dome HDR with D/N	
GEC-DMHDNPU-VA3	Day/Night, PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMHDNPU-VA9	Day/Night, PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMHDNU-VA3	Day/Night, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMHDNU-VA9	Day/Night, 9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
DM Plastic Dome HDR	
GEC-DMHPU-VA3	PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMHPU-VA9	PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMHU-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMHU-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
DM Plastic Dome XP3	
GEC-DMXU-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DMXU-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
DR Rugged Dome	
GEC-DREPU-VA3	PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DREPU-VA9	PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DREU-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DREU-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
DR Rugged Dome HDR with D/N	
GEC-DRHDNPU-VA3	Day/Night, PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DRHDNPU-VA9	Day/Night, PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DRHDNU-VA3	Day/Night, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DRHDNU-VA9	Day/Night, 9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
DR Rugged Dome HDR	
GEC-DRHPU-VA3	PAL, 3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DRHPU-VA9	PAL, 9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DRHU-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DRHU-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP
DR Rugged Dome XP3	
GEC-DRXU-VA3	3.3-12mm Varifocal Autoiris, 12VDC/24VAC, UTP
GEC-DRXU-VA9	9-22mm Varifocal Autoiris, 12VDC/24VAC, UTP

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