

MagnaView® Series

www.honeywellvideo.com

MODULAR CAMERA SYSTEM

Honeywell offers a real solution to vandal resistant surveillance systems with the MagnaView® Series modular camera system. MagnaView is a premium CCTV camera featuring a stainless steel or aluminum housing, making it the strongest camera series available today. The HEV28F and HEV28G have no ligature points – so they are ideal for institutional or industrial applications. All MagnaView cameras have impact resistant, no-scratch, clear polycarbonate domes with adjustable dome inserts to conceal and protect camera components. MagnaView cameras are engineered to consistently deliver crisp, clear images without compromise.

Select any one of our six MagnaView housings, nine camera boards and nine lens options to custom design a camera that exactly meets your specifications. Honeywell's assortment of standard or high resolution color or black and white cameras, with true day/night resolution or wide dynamic functionality, teamed with a Honeywell quick change lens or Vari-focal Auto Iris lens, will turn out clear, sharp, color or monochrome images in bright daylight, as well as in little or no light.

MagnaView lets you achieve optimum performance quickly and affordably by designing a camera system precisely built to take on the challenges of any environment.

Market Opportunities

With Honeywell's MagnaView® Series modular CCTV camera system, you now have the ability to upgrade or integrate CCTV security systems – cost efficiently. The ability to provide a custom designed surveillance system quickly and economically expands your capabilities and your market. You can now respond to your customer's needs while reducing your inventory, installation costs and turn around time. Honeywell's easy-to order, easy-to-install camera and lens combinations allow you to design an "off-the-shelf" CCTV camera that's right for any application – indoors or out.

Features

- Wide range of snap-in black and white and color cameras, including True Day/Night and Wide Dynamic
- Three available transmission media (Coaxial, UTP or Fiber*) integrated inside the camera. *HEV28R only
- Select from surface, flush, or corner mount enclosure, with or without a 4S electrical box
- Rugged, high impact, and vandal resistant – withstands a blow from a 10 pound sledgehammer
- Weather sealed for indoor and outdoor applications, including prisons, hospitals, schools, retail, banks, commercial buildings, and hotels
- Compatible with Quick Change Fixed (2.9 mm to 16.0 mm) and Vari-focal Auto Iris Lenses (4.0 mm to 9.0 mm, 2.6 mm to 6.0 mm, 9.0 mm to 22.0 mm)
- 3D gimbal allows for maximum lens rotation and placement
- One power connection self-configures to either 12 VDC or 24 VAC. AC line-lock standard with all cameras in 24 VAC operation

MagnaView® (HEV28R shown)



EIA/NTSC Camera



Vari-focal Auto Iris



Fixed Lens

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1-2-3 ORDERING

<p>1-2-3 modular camera system = ordering flexibility</p> <p>Tailor your choices – enclosure + gimbal + lens – to meet the most demanding requirements.</p>	<p>1-2-3 step installation saves you time and money</p> <ol style="list-style-type: none"> 1. Install and wire the housing. 2. Snap in the camera assembly. 3. Position and focus. The camera is ready.
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FIELD OF VIEW

	2.9		3.6		6.0		8.0		12		16		Vari-focal ¹	Vari-focal ¹	Vari-focal ¹
(mm)	2.9	3.6	6.0	8.0	12	16	2.6 - 6.0	4.0 - 9.0	9.0 - 22.0						
Horizontal	90°	74°	42°	32°	22°	15°	99.8° - 48.1°	68° - 32.1°	29° - 13°						
Vertical	67°	55°	32°	24°	17°	11°	75.3° - 36.2°	50.2° - 24.1°	21.7° - 9.7°						
Relative F-stop	F2.0	F2.0	F2.0	F2.0	F2.0	F2.0	F1.4	F1.5	F2.0						

CAMERA SPECIFICATIONS

Black-and-White, Color, Color EXview HAD™, True Day/Night, Wide Dynamic, Wide Dynamic True Day/Night		
Imager Format	1/3" CCD	
S/N Ratio	better than 51dB	
Video Output:	1Vp-p ,Coax: 75 ohms,UTP; 100 ohms, Fiber: 850nm ¹	
Electronic Iris	1/60 (1/50) - 1/100,000 sec	
Sync System	12 VDC: Internal 24 VAC: External (VD lock)	
AGC Control	Off/on (1-26dB max) switchable	
Backlight Compensation	On (central window) off-switchable	
Input Voltage	11-16 VDC regulated ² 17-32 VAC	
Surge Suppression	1.5kW transient	
Operating Temperature	-13°F to 122°F (-25°C to 50°C)	
Black-and-White		
Resolution	Standard Res	High Res
Light Sensitivity ³	410 TV lines	570 TV lines
Current Consumption	0.06 lux @ F1.5	0.08 lux @ F1.5
	2.5W (complete system)	
Color		
Resolution	Standard Res	High Res
Light Sensitivity ³	350 TV lines	480 TV lines
Auto White Balance	0.5 lux @ F1.5	0.6 lux @ F1.5
Current Consumption	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
	3.5W (complete system)	
Color EXview HAD™		
Resolution	Standard Res	High Res
Light Sensitivity ³	350 TV lines	480 TV lines
Auto White Balance	0.5 lux @ F1.5	0.6 lux @ F1.5
Current Consumption	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
	3.5W (complete system)	
True Day/Night		
Resolution	Standard Res	High Res
Minimum Illumination	350 TV lines	480 TV lines
Auto White Balance	0.2 lux @ F1.5	0.3 lux @ F1.5
Current Consumption	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
	3.5W (complete system)	
Wide Dynamic⁴		
Resolution	High Res	
Dynamic Range	480 TV lines	
Minimum Illumination	52 dB	
Auto White Balance	1.0 lux @ F1.5	
Current Consumption	AWB/ATW	
	4.5W (complete system)	
Wide Dynamic True Day/Night⁴		
Resolution	High Res	
Dynamic Range	480 TV lines	
Minimum Illumination	52 dB	
Auto White Balance	0.3 lux @ F1.5	
Current Consumption	AWB/ATW	
	4.5W (complete system)	

Notes: ¹ HEV28R only ² If using a DC power supply, we recommend using 15 VDC ³ Light sensitivity based on Vari-focal Auto Iris lens and clear dome. Using a fixed lens will decrease light sensitivity. Half-tint dome reduces light sensitivity by 54% ⁴ Can only be used with Vari-focal Auto Iris lenses

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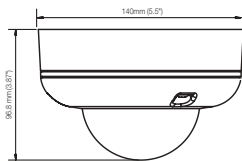
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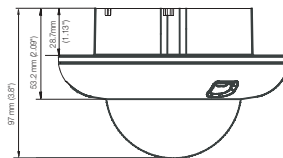
HOUSING SPECIFICATIONS

MagnaView® HEV28 Cornermount	
Housing Dimensions	5.8 in. diameter (150 mm) Overall height: 4.52 in (115 mm)
Weight	2.2 lbs (1.0 kg)
Housing Material	Stainless Steel
Finish	Urethane powder paint or polished stainless steel
Dome Material	Hard coated polycarbonate (clear dome with insert)
Housing Options	Mid-wall cap
MagnaView® HEV28 Flush	
Housing Dimensions	5.93 in. diameter (151 mm) Overall height: 3.80 in. (97 mm)
Weight	1.75 lbs (0.79 kg)
Housing Material	Machined aluminum cover
Finish	Brushed aluminum
Dome Material	Hard coated polycarbonate (clear dome with insert)
MagnaView® HEV28 GripLess™	
Housing Dimensions	6.85 in. diameter (174 mm) Overall height: 3.80 in. (97 mm)
Weight	2.0 lbs (0.91 kg)
Housing Material	Machined aluminum cover
Finish	Brushed aluminum
Dome Material	Hard coated polycarbonate (clear dome with insert)
MagnaView® HEV28 Plus	
Housing Dimensions	6.80 in. diameter (173 mm) Overall height: 3.90 in. (100 mm)
Weight	2.5 lbs (1.13 kg)
Housing Material	Die cast aluminum alloy (top and bottom)
Finish	Urethane powder paint
Dome Material	Hard coated polycarbonate (clear dome with insert)
MagnaView® HEV28 Round	
Housing Dimensions	6.1 in. diameter (155 mm) Overall height: 4.13 in. (105 mm)
Weight	3.0 lbs (1.37 kg)
Housing Material	Die cast aluminum alloy
Finish	Urethane powder paint
Dome Material	Hard coated polycarbonate (clear dome with insert)
Mounting Accessories	Wall mount and pendant mount
MagnaView® HEV28 Square	
Housing Dimensions	5.25 in.W x 4.13 in.H x 5.25 in.D (134 mm x 105 mm x 134 mm)
Weight	3.0 lbs (1.37 kg)
Housing Material	Sand cast aluminum alloy
Finish	Urethane powder paint
Dome Material	Hard coated polycarbonate (clear dome with insert)

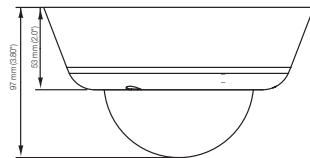
HEV28C



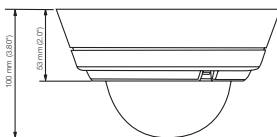
HEV28F



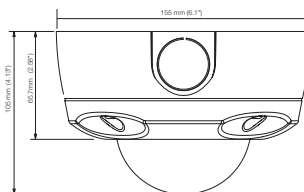
HEV28G



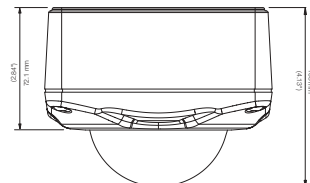
HEV28P



HEV28R



HEV28S



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ACCESSORIES

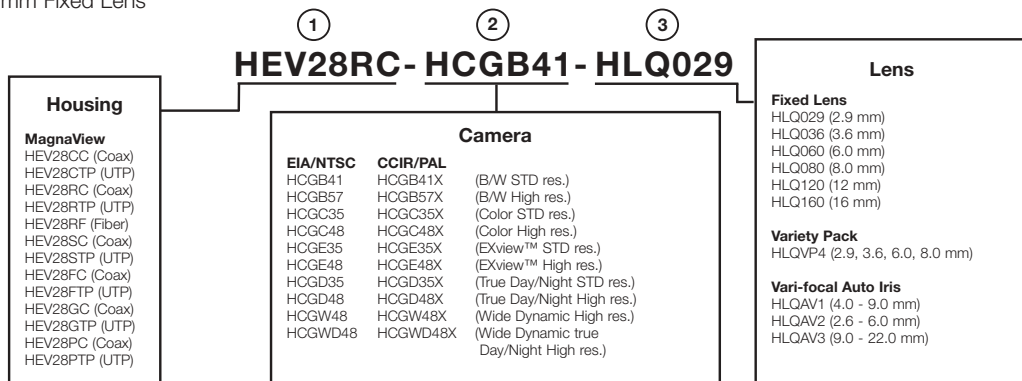
Domes	
Small (HEV28C only)	DRK2.0 - Clear DRK3.0 - Half Tint
Large	DRK2.2 - Clear DRK3.2 - Half Tint
Audio	
	HEV28RM HEV28SM
Mounts	
	HEV28R-PK (Pendant mount kit) HEV28R-WK (Wall mount kit)
Power Supplies	
For single camera application	PSA 2420 - AC PSI 4.1 - DC PSI 8.0 - DC
For multiple camera applications	HPTV2404UL (4 x 24VAC output) HPTV2408UL (8 x 24VAC output) HPTV2416UL (16 x 24VAC output)

Mounting Accessories



Ordering

1. MagnaView Housing
2. Black and white standard resolution, EIA/NTSC Camera
3. 2.9 mm Fixed Lens



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