

## PrimaView™ Series

[www.honeywellvideo.com](http://www.honeywellvideo.com)

### MODULAR CAMERA SYSTEM

The Honeywell MagnaView®/PrimaView™ and the HD14/HD28 cameras offer the flexibility of a modular system, and the ease of an integrated, fully configured system. All of these systems provide solutions for indoor and outdoor use and all are vandal resistant. The modular systems allow a choice of 9 different housing options, 10 different camera options and 9 different lens options. The MagnaView system offers metal housings while the PrimaView offers polycarbonate. The integrated systems – the HD14 Series and HD28 Series – offer the most popular versions of the MagnaView and PrimaView in pre-configured systems.

The Honeywell PrimaView® modular camera system is a premium, lightweight – yet strong – CCTV camera featuring an impact-resistant, flame rated, polycarbonate housing. PrimaView cameras are high-quality and cost effective and feature superior picture quality that outperforms many conventional CCD cameras. The HEC12 and HEC14 instantly convert to flush or surface mount and can be easily installed using a 4S electrical box. All PrimaView cameras have an adjustable dome insert to conceal and protect camera components and are engineered to consistently deliver crisp, clear images without compromise. The HEV29A angle dome displays a field of view superior to flat view surveillance cameras. Their attractive, low profile design blends with indoor and outdoor environments making PrimaView modular cameras the obvious choice for architecturally-sensitive installations.

PrimaView also provides the flexibility to design a custom CCTV camera quickly and economically. Simply select any one of the 3 PrimaView housings, 9 camera boards and 9 lens options. Honeywell's assortment of standard or high resolution color or black and white cameras with True Day/Night resolution or Wide Dynamic functionality perform to exceed most security requirements. Teamed with Honeywell's Quick Change lenses or Vari-focal Auto Iris lenses, the system will deliver clear, sharp, color or monochrome images in bright daylight, as well as in little or no light.

#### Market Opportunities

With Honeywell's easy-to-order, easy-to-install PrimaView Series modular CCTV camera system, it is easy to upgrade or integrate CCTV security systems quickly and affordably. The PrimaView Series provides custom designed surveillance cameras that are right for any application - indoor or out.

#### Features

- Wide range of snap-in black and white and color cameras, including True Day/Night and Wide Dynamic
- Select from most popular transmission media (Coaxial, or UTP) integrated inside the camera
- Choose from surface or flush mount enclosure, with or without a 4S electrical box
- The HEV29A field of view is designed to see horizontally along ceiling and walls
- Weather sealed for indoor and outdoor applications – everything from malls to banks, hotels and conference centers to restaurants and casinos, cruise ships to parkades, schools to hospitals
- 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)  
\*HEC12 compatible with Quick Change Fixed Lens only
- 3-D 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



PrimaView shown without  
mount ring for flush  
mounting



PrimaView shown with  
mount ring for surface  
mounting

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## SPECIFICATIONS

Camera	Image Sensor	Number of Pixels (H x V)	Total Pixels	Minimum Illumination	Horizontal Resolution	Power Consumption
<b>HCGB41</b>	1/3" CCD Black and White	EIA: 512 x 492 CCIR: 512 x 582	EIA: 260K CCIR: 300K	0.35 lux @ F2.0	410 TVL	2.5 W
<b>HCGB57</b>	1/3" CCD Black and White	EIA: 816 x 495 CCIR: 798 x 584	EIA: 410K CCIR: 480K	0.4 lux @ F2.0	570 TVL	2.5 W
<b>HCGC35</b>	1/3" CCD Color	NTSC: 510 x 492 PAL: 500 x 582	NTSC: 410K PAL: 290K	0.8 lux @ F2.0	350 TVL	3.5 W
<b>HCGC48</b>	1/3" CCD Color	NTSC: 768 x 494 PAL: 752 x 582	NTSC: 380K PAL: 440K	1.0 lux @ F2.0	480 TVL	3.5 W
<b>HCGE35</b>	1/3" CCD EXview Color	NTSC: 510 x 492 PAL: 500 x 582	NTSC: 250K PAL: 290K	0.8 lux @ F2.0	350 TVL	3.5 W
<b>HCGE48</b>	1/3" CCD EXview Color	NTSC: 768 x 494 PAL: 752 x 582	NTSC: 380K PAL: 440K	1.0 lux @ F2.0	480 TVL	3.5 W
<b>HCGD35</b>	1/3" CCD True Day/Night	NTSC: 510 x 492 PAL: 500 x 582	NTSC: 250K PAL: 290K	0.35 lux @ F2.0	350 TVL	3.5 W
<b>HCGD48</b>	1/3" CCD True Day/Night	NTSC: 768 x 494 PAL: 752 x 582	NTSC: 380K PAL: 440K	0.4 lux @ F2.0	480 TVL	3.5 W
<b>HCGW48</b>	1/3" CCD Wide Dynamic	NTSC: 768 x 494 PAL: 752 x 582	NTSC: 380K PAL: 440	0.8 lux @ F2.0	480 TVL	4.5 W
<b>HCGWD48</b>	1/3" CCD Wide Dynamic True Day/Night	NTSC: 768 x 494 PAL: 752 x 582	NTSC: 380K PAL: 440K	0.3 lux @ F2.0	480 TVL	4.5 W

**HCGB41 and HCGB57 Black and White Cameras** offer low light image capturing in crisp detail. When combined with an infrared illuminator, objects can be seen in perfect darkness.

**HCGC35 and HCGC48 Color Cameras** increase object recognition in your focal area.

**HCGE35 and HCGE48 EXview Color Cameras** use an advanced technology image sensor that dramatically improves light efficiency. CCTV cameras that use EXview™ technology have twice the sensitivity of a standard CCD chip.

**HCGD35 and HCGD48 True Day/Night.** The incorporation of a moving mechanical IR filter within the camera ensures true 24 hour surveillance, providing high quality color images during the day and similar quality black and white images at night when used with IR lighting.

**HCGW48 WDR (Wide Dynamic Range)** is a processing technology that allows a CCTV camera to automatically adjust for different lighting conditions within the same frame. Each pixel of each frame is processed individually; that is, in shadowed areas the exposure is increased and in bright areas the exposure is decreased so that all the details in the scene are light-corrected in the image.

**HCGWD48 Wide Dynamic True Day/Night** combines the processing technology of the WDR cameras with the moving mechanical IR filter to ensure a precise picture in any lighting condition.

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## SPECIFICATIONS

<b>Operational</b>		<b>Environmental</b>	
Video Standard	NTSC/PAL EIA/CCIR	Temperature	Operating: -13°F to +122°F (-25°C to +50°C) Storage: -31°F to +140°F (-35°C to +60°C)
Scanning System	2.1 Interlaced	Relative Humidity	0 - 95% non condensing
Video Output	1.0 Vp-p Coax @ 75 Ohms 1.0 Vp-p UTP @ 100 Ohms	<b>Regulatory</b>	
Sync System	12 VDC: Internal 24 VAC: External (Line Lock)	Emissions	FCC, CE (EN55013)* * except HEV29A
S/N Ratio	Better than 51 dB	Immunity	CE (EN50130-4)
Auto Gain Control	Off/on switch (4 – 26 dB max)	Safety	UL2044, EU:73/23/EEC LVD
Automatic Electronic Shutter	1/60 - 1/100,000 (NTSC) 1/50 - 1/100,000 (PAL)		
BLC	Center window weighted User- Selectable On/off switch		
<b>Electrical</b>			
Input Voltage	24 VAC/ 15 VDC		
Input Tolerance	17 – 28 VAC 11 – 16 VDC		
Surge Suppression	1.5 kW transient		
Power Consumption	4.5 W max (see table)		

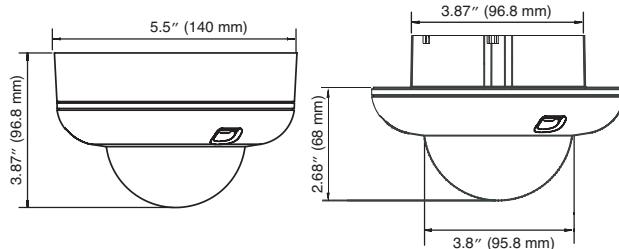
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## SPECIFICATIONS

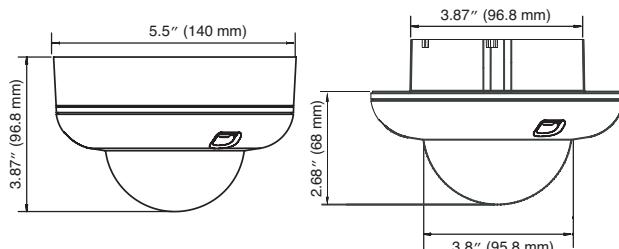
### HEC12

Mechanical	
Dimensions	See Line Drawing
Weight	1.75 lb (0.80 kg)
Construction	Housing: Polycarbonate (impact resistant and flame rated) Finish: Matte Dome: Hard coated polycarbonate (clear dome with insert)
Connectors	Coax Video Output: BNC Coax Power Input: Tinned leads UTP Video Output: Tinned leads UTP Power Input: 2.1 mm barrel



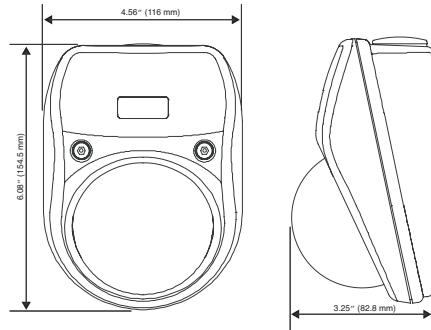
### HEC14

Mechanical	
Dimensions	See Line Drawing
Weight	2.0 lb (0.90 kg)
Construction	Housing: Polycarbonate (impact resistant and flame rated) Finish: Matte Dome: Hard coated polycarbonate (clear dome with insert)
Connectors	Coax Video Output: BNC Coax Power Input: Tinned leads UTP Video Output: Tinned leads UTP Power Input: 2.1 mm barrel



### HEV29A

Mechanical	
Dimensions	See Line Drawing
Weight	1.5 lb (0.68 kg)
Construction	Housing: Polycarbonate (impact resistant and flame rated) Finish: Matte Dome: Hard coated polycarbonate (clear dome with insert)
Connectors	Coax Video Output: BNC Coax Power Input: Tinned leads UTP Video Output: Tinned leads UTP Power Input: 2.1 mm barrel



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## SPECIFICATIONS

### Fixed

<b>Operational</b>	
Type	Fixed Focal Length
Image Format	1/3"
Lens Mount	M12 x 0.5 mm threaded
<b>Mechanical</b>	
Dimensions	1.78" x .79" (45.2 mm x 18.8 mm)
Weight	.11 lb (.05 kg)
Construction	Finish: Black plastic

<b>Field of View</b>							
Lens		HLQ029	HLQ036	HLQ060	HLQ080	HLQ120	HLQ160
Focal Length		2.9 mm	3.6 mm	6.0 mm	8.0 mm	12.0 mm	16.0 mm
Angle Of View	H	90°	74°	42°	32°	22°	15°
	V	67°	55°	32°	24°	17°	11°

### Vari-Focal Auto Iris

<b>Operational</b>	
Type	Fixed Focal Length
Image Format	1/3"
Lens Mount	M13 x 1.0 mm threaded
<b>Mechanical</b>	
Dimensions	1.77" x 1.09" (44.84 mm x 27.61 mm)
Weight	.16 lb (.07 kg)
Construction	Finish: composite metal and plastic

<b>Field of View</b>				
Lens		HLQAV1	HLQAV2	HLQAV3
Focal Length		2.6-6 mm	4.0-9.0 mm	9.0-22.0 mm
Angle Of View	Wide	99.8°-48.1°	68.0°-32.1°	29.0°-13
	Tele	75.3°-36.2°	50.2°-24.1°	21.7°-9.7°
Iris Range		Auto F1.4	Auto F1.5	Auto F2.0
Iris Control		Auto	Auto	Auto

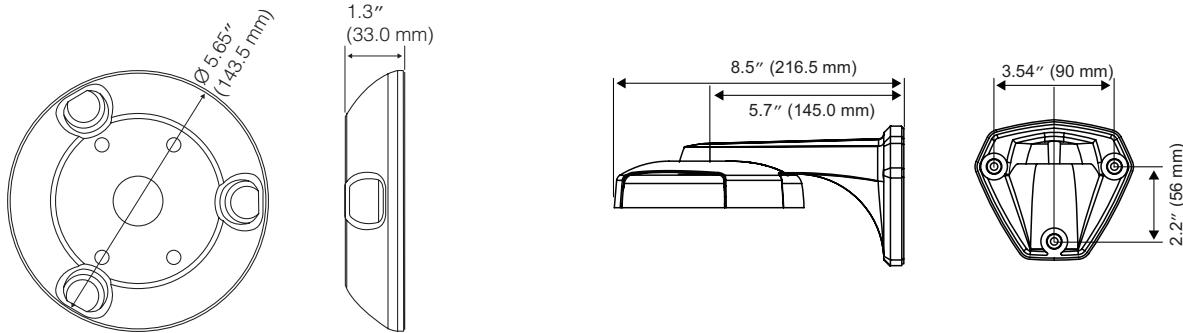
Note: Light sensitivity based on Vari-focal Auto Iris lens and clear dome

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## ORDERING

Replacement Parts		Accessories	
Domes		Mounts	
DRK2.0	Clear Dome for HEV29A, HEV12 only	HEC12/C14-PKT	Pendant Mount kit for HEV28R housing
DRK3.0	Half tint dome for HEV29A, HEV12 only	HEC12/C14-WKT	Wall Mount kit for the HEV28R
Tamper Proof Screws		Transformers	
TPS-8	60 screws and 1 key for HEV28F, HEV28G and HEV28P housing	HPT2420	24 VAC, 20 VA Class 2 plug-in with thermal cut-out
TPS-10	60 screws and 1 key for HEV28R, HEV28RM, HEV28S and HEV28SM housing	HPT12DC500	12 VDC, 500 mA plug-in regulated 2.1 mm coaxial plug UL Listed/CSA Certified
Power Supplies		Power Supplies	
UL Listed	Fused	Smart Fused	Description
HPTV2404UL	HPTV2404	HPTV2404CB	4 A, 4 Output
HPTV2408UL	HPTV2408	HPTV2408CB	4 A, 8 Output
HPTV2416UL	HPTV2416	HPTV2416CB	8 A, 16 Output



Ordering			
1. PrimaView Housing 2. Black and white standard resolution, EIA/NTSC Camera 3. 2.9 mm Fixed Lens			
<b>HEC12C - HGCB41 - HLQ029</b>			
<b>Housing</b>	<b>Camera</b>		
HEC12C* (Coax) HEC12TP* (UTP) HEC14C (Coax) HEC14TP (UTP) HEV29AC (Coax) HEV29ATP (UTP) *Fixed Lens only	<b>EIA/NTSC</b> <b>CCIR/PAL</b> HGB41    HGB41X (B/W STD res.) HGB57    HGB57X (B/W High res.) HGC35    HGC35X (Color STD res.) HGC48    HGC48X (Color High res.) HGE35    HGE35X (EXview™ STD res.) HGE48    HGE48X (EXview™ High res.) HGD35    HGD35X (True Day/Night STD res.) HGD48    HGD48X (True Day/Night High res.) HGW48    HGW48X (Wide Dynamic High res.) HGW48X    HGW48X (Wide Dynamic True Day/Night High res.)		<b>Lenses</b> <b>Fixed Lens</b> HLQ029 (2.9 mm) HLQ036 (3.6 mm) HLQ060 (6.0 mm) HLQ080 (8.0 mm) HLQ120 (12 mm) HLQ160 (16 mm) <b>Variety Pack</b> HLQVP4 (2.9, 3.6, 6.0, 8.0 mm) <b>Vari-focal Auto Iris</b> HLQAV1 (4.0 - 9.0 mm) HLQAV2 (2.6 - 6.0 mm) HLQAV3 (9.0 - 22.0 mm)

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

### Honeywell Security

Honeywell Video Systems  
 2700 Blankenbaker Pkwy, Suite 150  
 Louisville, KY 40299  
 1.800.796.CCTV  
[www.honeywell.com](http://www.honeywell.com)

L/PRMVIEWD/D  
 March 2008  
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