Honeywell

Modular Camera System

www.honeywellvideo.com

Honeywell offers a real solution to variable surveillance applications with the world's first modular CCTV camera system. In just three easy steps, you can design a CCTV camera by choosing a housing, camera and lens that will best serve your unique situation. First, choose the housing. Honeywell offers its line-up of MagnaView® and PrimaView® vandal resistant camera housings for easy indoor and outdoor installation. Then, select a camera from Honeywell's assortment of standard or high resolution color or black and white cameras with true day/night resolution or wide dynamic functionality. Finally, choose your lens. Select from Honeywell's quick change lenses or Vari-focal Auto Iris lenses that deliver clear, sharp, color or monochrome images in bright daylight as well as in little or no light.

You can achieve optimum performance, quickly and economically through a combination of our proprietary CCTV modular components while designing a camera system that goes beyond the demands of the specific application.

Market Opportunities

Today's security market is rapidly changing from part-time observation (day or night) to round-the-clock surveillance. With Honeywell's modular CCTV camera system you now have the ability to upgrade or integrate CCTV security systems affordably. The ability to provide a custom designed system quickly and economically expands your capabilities and your market. What's more, your inventory, installation costs and turn-around time is greatly reduced by stocking camera and lens combinations to create a solution that's right for any situation.

Features

- Wide selection of MagnaView® (metal) and PrimaView® (polycarbonate) vandal resistant, camera enclosures
- EIA/NTSC and CCIR/PAL cameras
- Efficient Installation - Snap-in/plug and play and standard line lock
- True Day/Night and Wide Dynamic
- On site set-up video connector
- Top board adjustment
- Quick change lens technology
- Variety pack available
- Exclusive Tamper-proof Screws provided for secure installation

MagnaView® (HEV28R shown)

PrimaView® (HEC14 shown)

EIA/NTSC Camera

Vari-focal Auto Iris

Fixed Lens

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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)
PrimaView® HEC12	
Housing Dimensions	5.6 in. diameter (143 mm) Overall height: 3.6 in. (93 mm)
Weight	1.75 lbs (0.80 kg)
Housing Material	Polycarbonate (impact-resistant and flame rated)
Dome Material	Hard coated polycarbonate (clear dome with insert)
Mounting Accessories	Universal mounting plate
PrimaView® HEC14	
Housing Dimensions	5.6 in. diameter (143 mm) Overall height: 3.8 in (97 mm)
Weight	2.0 lbs (0.90 kg)
Housing Material	Polycarbonate (impact-resistant and flame rated)
Dome Material	Hard coated polycarbonate (clear dome with insert)
Mounting Accessories	Universal mounting plate
PrimaView® HEV29A	
Housing Dimensions	4.57 in. x 3.26 in. x 6.08 in. (W x H xD) (116.0 mm x 82.8 mm x 154.5 mm)
Weight	1.5 lbs (0.68 kg) without cables
Housing Material	Polycarbonate (impact-resistant and flame rated)
Dome Material	Hard coated polycarbonate (clear dome with insert)

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CAMERA AND LENS 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	**Standard Res**	**High Res**
Resolution	410 TV lines	570 TV lines
Light Sensitivity[3]	0.06 lux @ F1.5	0.08 lux @ F1.5
Current Consumption	2.5W (complete system)	
Color	**Standard Res**	**High Res**
Resolution	350 TV lines	480 TV lines
Light Sensitivity[3]	0.5 lux @ F1.5	0.6 lux @ F1.5
Auto White Balance	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
Current Consumption	3.5W (complete system)	
Color EXview HAD™	**Standard Res**	**High Res**
Resolution	350 TV lines	480 TV lines
Light Sensitivity[3]	0.5 lux @ F1.5	0.6 lux @ F1.5
Auto White Balance	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
Current Consumption	3.5W (complete system)	
True Day/Night	**Standard Res**	**High Res**
Resolution	350 TV lines	480 TV lines
Minimum Illumination	0.2 lux @ F1.5	0.3 lux @ F1.5
Auto White Balance	AWB/ATW/Indoor (3200°K) Outdoor (6500°K)	
Current Consumption	3.5W (complete system)	
Wide Dynamic[4]	**High Res**	
Resolution	480 TV lines	
Dynamic Range	52 dB	
Minimum Illumination	1.0 lux @ F1.5	
Auto White Balance	AWB/ATW	
Current Consumption	4.5W (complete system)	
Wide Dynamic True Day/Night[4]	**High Res**	
Resolution	480 TV lines	
Dynamic Range	52 dB	
Minimum Illumination	0.3 lux @ F1.5	
Auto White Balance	AWB/ATW	
Current Consumption	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 [5]Vari-focal Auto Iris lenses not available for HEC12

Field of View							Vari-focal		
(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

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ACCESSORIES

Domes	
Small (HEV28C, HEV29A, HEC12 only)	DRK2.0 - Clear DRK3.0 - Half Tint
Large	DRK2.2 - Clear DRK3.2 - Half Tint
Audio	
	HEV28R-MIC HEV28S-MIC
Mounts	
	HEV28R-PK (Pendant mount kit) HEV28R-WK (Wall mount kit) HEC12/C14-PK (Pendant mount kit) HEC12/C14-WK (Wall mount kit)
Power Supplies	
For single camera application	CCTX2440 - AC PSI4.1-DC PSI8.0-DC
For multiple camera applications	HPTV2404UL (4 x 24VAC output) HPTV2408UL (8 x 24VAC output) HPTV2416UL (16 x 24VAC output)

(MagnaView Shown)

Ordering

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

HEC12C - HCGB41 - HLQ029

Housing[1]

PrimaView	MagnaView
HEC12C* (Coax)	HEV28CC (Coax)
HEC12T* (UTP)	HEV28CT (UTP)
HEC14C (Coax)	HEV28RC (Coax)
HEC14T (UTP)	HEV28RT (UTP)
HEV29AC (Coax)	HEV28RF (Fiber)
HEV29AT (UTP)	HEV28SC (Coax)
	HEV28ST (UTP)
*Fixed Lens only	HEV28FC (Coax)
	HEV28FT (UTP)
	HEV28GC (Coax)
	HEV28GT (UTP)
	HEV28PC (Coax)
	HEV28PT (UTP)

Camera

EIA/NTSC	CCIR/PAL	
HCGB41	HCGB41X	(B/W STD res.)
HCGB57	HCGB57X	(B/W High res.)
HCGC35	HCGC35X	(Color STD res.)
HCGC48	HCGC48X	(Color High res.)
HCGE35	HCGE35X	(EXview™ STD res.)
HCGE48	HCGE48X	(EXview™ High res.)
HCGD35	HCGD35X	(True Day/Night STD res.)
HCGD48	HCGD48X	(True Day/Night High res.)
HCGW48	HCGW48X	(Wide Dynamic High res.)
HCGWD48	HCGWD48X	(Wide Dynamic true Day/Night High res.)

Lens

Fixed Lens
HLQ029 (2.9 mm)
HLQ036 (3.6 mm)
HLQ060 (6.0 mm)
HLQ080 (8.0 mm)
HLQ0120 (12 mm)
HLQ0160 (16 mm)

Variety Pack
HLQVP4 (2.9, 3.6, 6.0, 8.0 mm)

Vari-focal Auto Iris
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.

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