

## HD3VC4SHR / HD3VC4SA

### SUPER HIGH AND STANDARD RESOLUTION COLOR INDOOR MINI-DOME CAMERAS

Honeywell's HD3VC4SHR and HD3VC4SA color indoor mini-dome cameras encompass the latest in color Digital Signal Processing (DSP) technology. Both the high resolution HD3VC4SHR and the standard resolution HD3VC4SA integrate a camera and lens package into a compact one-piece design for fast and easy installation. A service/monitor cable is also included for easy on-site adjustments and the housing is designed to mount directly to a ceiling, wall or to a 2S, single gang electrical box.

The HD3VC4SHR offers 540 TV lines of crisp, clear horizontal resolution with a minimum illumination of 0.7 lux. The HD3VC4SA features 350 TV lines of resolution with a minimum illumination of 0.5 lux. Both cameras incorporate a 1/3" CCD and come equipped with a 3.7 – 10 mm (F1.6) Vari-focal Auto Iris lens to cover a wide range of viewing angles. Picture adjustment after installation is easy thanks to the 3-dimensional gimbal that is capable of 360° of pan, 160° of tilt and 360° of horizontal adjustment.

All models accept either 12 VDC or 24 VAC (auto sensing) for proper operation and flexible installation. The Automatic Backlight Compensation (BLC) and Auto Tracking White Balance (ATW) ensure crisp color images in dark or backlit environments, such as windows and doorways. The Automatic Gain Control (AGC) feature increases the signal strength from the camera when scene lighting is low, keeping the picture sharp and viewable.

#### Market Opportunities

The compact, one-piece design installs quickly and easily in commercial and government sites, school, casinos, retail stores or hospitals. Enhanced picture quality, attractive cosmetic appearance, true color reproduction and excellent low light performance makes the Honeywell HD3VC4SHR and HD3VC4SA dome cameras the ideal solution for a wide range of surveillance applications.

#### Features

- 1/3" Sony Interline CCD
- Polycarbonate housing and dome
- Clear dome with liner for discreetness with no light loss
- Super High Resolution color: 540 TV lines
- Standard Resolution color: 350 TV lines
- 3.7 – 10 mm (F1.6) Vari-focal Auto Iris lens
- Local video output for setup
- 3-D Axis gimbal
- Line lock with phase adjustment (24 VAC)
- Dual 12 VDC/24 VAC voltage



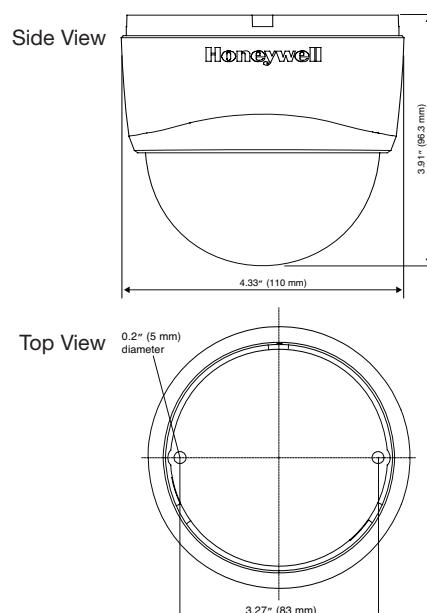
# HD3VC4SHR / HD3VC4SA

www.honeywellvideo.com

## SPECIFICATIONS

Operational	High Resolution	Standard Resolution
Video Standard	NTSC, PAL	
Scanning System	525/60 lines (NTSC) 625/50 lines (PAL)	
Image Sensor	1/3" Sony CCD color image sensor	
Number of Pixels (H x V)	768 x 494 (NTSC) 752 x 582 (PAL)	510 x 492 (NTSC) 500 x 582 (PAL)
Minimum Illumination	0.7 lux @ F1.6 (AGC on, 50 IRE)	0.5 lux @ F1.6 (AGC on, 50 IRE)
Horizontal Resolution	540 TVL	350 TVL
Video Output	1 Vp-p, composite @ 75 Ohms	
Sync System	12 VDC: Internal 24 VAC: Line lock	
S/N Ratio	50 dB (AGC Off)	
Auto Gain Control	On/off, selectable	
ALC	Auto Iris: DC drive	
Automatic Electronic Shutter	1/60 – 1/100,000 second (NTSC) 1/50 – 1/100,000 second (PAL)	
White Balance	ATW	
Line Lock Phase Adjustment	Adjustable AC line lock, $\pm 310^\circ$	
BLC	On/off, switchable	
Lens Type	3.7 to 10 mm, Vari-focal Auto Iris, F1.6	
Angle of View	Tele: 33.4° (D), 27° (H), 20.5° (V) Wide: 97.9° (D), 76.1° (H), 55.8° (V)	
Electrical		
Input Voltage	12 VDC/24 VAC	
Input Range	11-16 VDC, 17-28 VAC	
Surge Suppression	1.5 kW Transient	
Power Consumption	3.5 W (max)	
Mechanical		
Dimensions	See line drawing	
Weight	.66 lb (.3 kg) max	
Construction	Housing: Polycarbonate Dome: Polycarbonate Finish: Matte texture, Off white	
Connectors	Video Output: BNC connector Power Input: (Screw terminal block)	

Environmental			
Temperature	Operating: 14°F to +122°F (-10°C to +50°C) Storage: -4°F to +140°F (-20°C to +60°C)		
Relative Humidity	0% to 90% RH non-condensing		
Regulatory			
Emissions	FCC, CE (EN55022)		
Immunity	CE (EN50130-4)		
Safety	EU: 73/23/EEC LVD		
Accessories:			
Transformers			
HPT2420	24 VAC, 20 VA Class 2 plug-in with thermal cut out		
HPT12DC500	12 VDC, 500 mA plug-in regulated 2.1 mm coaxial plug UL/CSA Listed		
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	
HD3VC4SHR	1/3" CCD Super High Resolution Color Dome Camera, 540 TVL, 3.7 - 10 mm VFAI, NTSC
HD3VC4SHRX	1/3" CCD Super High Resolution Color Dome Camera, 540 TVL, 3.7 - 10 mm VFAI, PAL
HD3VC4SA	1/3" CCD Standard Resolution Color Dome Camera, 350 TVL, 3.7 - 10 mm VFAI, NTSC
HD3VC4SAX	1/3" CCD Standard Resolution Color Dome Camera, 350 TVL, 3.7 - 10 mm VFAI, PAL

**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

HV06092  
L/HD3SER/D  
September 2006  
© 2006 Honeywell International Inc.

# Honeywell