

## HCS544

### DAY/NIGHT CAMERA, 540 TVL

The Honeywell HCS544 day/night camera adapts to varying lighting conditions to ensure the highest picture quality even in extreme low light conditions. When the light level drops too low for accurate video identification in color, the camera automatically switches to black and white video to capture more detail.

Low light performance is enhanced through the use of Digital Noise Reduction technology which removes noise artifacts, increasing the performance of video compression algorithms – giving end users the ability to record for longer periods using their existing DVR unit. Digital Slow Shutter technology further improves the light sensitivity of the camera and extends its usable range.

An On-Screen Display text menu simplifies all setup and adjustment options. Menu navigation is simple and picture adjustments can be made in a matter of seconds with easy-to-use pushbuttons on the back of the camera.

The HCS544 includes an automatic electronic shutter for changes in light level, and three zones of automatic backlight compensation options for viewing backlit scenes. The HCS544 produces 540 TV lines of resolution for applications requiring the highest level of sharpness in video quality as well as providing reliable video quality even in low light conditions down to 0.1 lux.

#### Market Opportunities

The HCS544 is a general surveillance solution designed for object recognition that is required in locations where variable light and low light conditions exist. Setup is quick and easy and can be customized with on-screen displays and preset modes. This provides optimum performance for both indoor and outdoor applications including lobbies, atriums, vestibules, gated entrances, foyers, loading docks and driveways.

#### Features

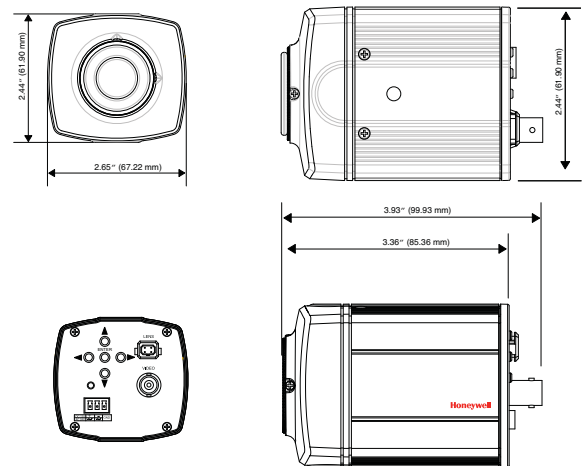
- 540 TV lines of resolution
- Digital Noise Reduction technology for noise free images
- Digital Slow Shutter for improved sensitivity in low light conditions
- On-Screen Display menu for quick camera setup
- Variable AGC Setting to adjust the level at which the camera switches from color to black and white in low light
- One power connection self-configures to 12 VDC or 24 VAC with transient surge protection



## SPECIFICATIONS

Operational	
Video Standard	NTSC, PAL
Scanning System	525/60 lines (NTSC), 625/50 lines (PAL)
Image Sensor	1/3" CCD
Number of Pixels (H x V)	HCS544: 768 x 494 (NTSC) HCS544X: 752 x 582 (PAL)
Minimum Illumination	0.3 lux color/0.1 lux BW
Horizontal Resolution	Greater than 540TVL
Video Output	1.0 Vp-p @ 75 Ohms
Sync System	12 VDC: Internal 24 VAC: (Internal/Line lock)
S/N Ratio	50dB or more (AGC off)
Auto Gain Control	Off/On, selectable
Automatic Electronic Shutter	1/60 – 1/120,000 sec (NTSC) 1/50 – 1/120,000 sec (PAL)
White Balance	ATW/AWC/Manual
Line Lock Phase Adjustment	Adjustable line lock vertical phase
Backlight Compensation	Off/On, selectable
Gamma	0.45
Digital Noise Reduction	High/Medium/Low/Off
Digital Slow Shutter	x2 – x128
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 Diagram
Weight	1.1 lb (0.5 kg) camera only
Construction	Housing: Aluminum Finish: Cool Gray Powder Coat
Connector	Video Output: BNC connector Lens: 4 Pin Connector Power Input: Removable 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 85%, non-condensing

Regulatory		
Emissions	FCC, CE (EN55013)	
Immunity	CE (EN50130-4)	
Safety	EU: 73/23/EEC LVD	
Accessories		
Recommended Lens Options		
HLD25V6F12L	2.5 – 6 mm, F1.2, DC Auto Iris lens	
HLD28V8F95L	2.8 – 8 mm, F0.95, DC Auto Iris lens	
HLD27V13DNL	2.7 – 13.5 mm, F1.3, DC Auto Iris lens, IR corrected	
HLD5V50F13L	5.0 – 50 mm, F1.3, DC Auto Iris lens	
Housing and Mounts		
HBC5WT	Wall/ceiling mount bracket	
HHC12 Series	Housings with optional heater/blower and mounts	
Transformers		
HPT2420	24 VAC, 20 VA Class 2 plug-in with thermal cut-out	
HPT2440	24 VAC, 40 VA Class 2 plug-in with thermal cut-out	
HPT12DC1000	12 VDC, 1000 mA plug-in regulated 2.1 mm coaxial plug UL Listed/CSA Certified	
Power Supplies		
UL Listed	Smart Fused	Description
HPTV2404UL	HPTV2404CB	4A, 4 Output
HPTV2408UL	HPTV2408CB	4A, 8 Output
HPTV2416UL	HPTV2416CB	8A, 16 Output



Ordering	
HCS544	Super High Resolution Day/Night Camera, 540 TVL, NTSC, 12 VDC/24 VAC
HCS544X	Super High Resolution Day/Night Camera, 540 TVL, PAL, 12 VDC/24 VAC

### Automation and Control Solutions

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