# Honeywell

# **HCS544**

www.honeywellvideo.com

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 selfconfigures to 12 VDC or 24 VAC with transient surge protection



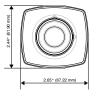
# **HCS544**

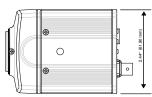
## www.honeywellvideo.com

#### **SPECIFICATIONS**

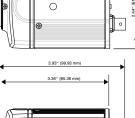
Video StandardNTSC, PALScanning System525/60 lines (NTSC), 625/50 lines (PAL)Image Sensor1/3" CCDNumber of PixelsHCS544: 768 × 494 (NTSC) HCS544X: 752 × 582 (PAL)Minimum Illumination0.3 lux color/0.1 lux BWHorizontal ResolutionGreater than 540TVLVideo Output1.0 Vp-p @ 75 OhmsSync System12 VDC: Internal 24 VAC: (Internal/Line lock)S/N Ratio50dB or more (AGC off)Auto Gain ControlOff/On, selectableAutomatic Electronic1/60 - 1/120,000 sec (NTSC) 1/50 - 1/120,000 sec (NTSC) 1/50 - 1/120,000 sec (PAL)White BalanceAdjustable line lock vertical phase AdjustmentBacklight CompensationOff/On, selectableGamma0.45Digital Noise ReductionHigh/Medium/Low/Off 12 VDC/24 VACInput Voltage12 VDC/24 VACInput Noltage12 VDC/24 VACInput Range11-16 VDC, 17-28 VACSurge Suppression1.5 kW transientPower Consumption3.5 W (max)MechanicalUDimensionsSee DiagramWeight1.1 lb (0.5 kg) camera onlyConnectorVideo Output: Removable screw terminal blockEnvironmentalOperating: 14°F to 122°F (-10°C to 50°C) Storage: -4°F to 140°F (-20°C to 60°C)Relative Humidity0% to 85%, non-condensing	Operational			
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Input Range   11–16 VDC, 17–28 VAC     Surge Suppression   1.5 kW transient     Power Consumption   3.5 W (max)     Mechanical	Electrical			
Surge Suppression   1.5 kW transient     Power Consumption   3.5 W (max)     Mechanical	Input Voltage	12 VDC/24 VAC		
Power Consumption   3.5 W (max)     Mechanical   Jimensions     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   Operating: 14°F to 122°F (-10°C to 50°C)     Temperature   Operating: -4°F to 140°F (-20°C to 60°C)	Input Range	11-16 VDC, 17-28 VAC		
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 Operating: 14°F to 122°F (-10°C to 50°C)   Temperature Operating: 14°F to 140°F (-20°C to 60°C)	Surge Suppression	1.5 kW transient		
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 Operating: 14°F to 122°F (-10°C to 50°C)   Temperature Operating: -4°F to 140°F (-20°C to 60°C)	Power Consumption	3.5 W (max)		
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 Operating: 14°F to 122°F (-10°C to 50°C)   Temperature Operating: -4°F to 140°F (-20°C to 60°C)				
Construction   Housing: Aluminum Finish: Cool Gray Powder Coat     Connector   Video Output: BNC connector Lens: 4 Pin Connector Power Input: Removable screw terminal block     Environmental   Operating: 14°F to 122°F (-10°C to 50°C)     Temperature   Operating: -4°F to 140°F (-20°C to 60°C)	Dimensions	See Diagram		
Connector Finish: Cool Gray Powder Coat   Connector Video Output: BNC connector Lens: 4 Pin Connector Power Input: Removable screw terminal block   Environmental Operating: 14°F to 122°F (-10°C to 50°C)   Temperature Operating: -4°F to 140°F (-20°C to 60°C)	Weight	1.1 lb (0.5 kg) camera only		
Connector   Lens: 4 Pin Connector     Power Input: Removable screw terminal block     Environmental     Operating: 14°F to 122°F (-10°C to 50°C)     Temperature     Operating: -4°F to 140°F (-20°C to 60°C)	Construction			
TemperatureOperating: 14°F to 122°F (-10°C to 50°C)Storage:-4°F to 140°F (-20°C to 60°C)	Connector	Lens: 4 Pin Connector Power Input: Removable screw		
Temperature(-10°C to 50°C)Storage:-4°F to 140°F(-20°C to 60°C)	Environmental			
Relative Humidity 0% to 85%, non-condensing	Temperature	(-10°C to 50°C) Storage: -4°F to 140°F		
	Relative Humidity	0% to 85%, non-condensing		

Regulatory				
Emissions	FCC, CE (EN55013)			
Immunity	CE (EN50130-4)			
Safety	EU: 73/23/EEC LVD			
Accessories	Accessories			
Recommended	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

ordening	
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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