

## HCS544X

### DAY/NIGHT CAMERA, 540 TVL

The Honeywell HCS544X 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 colour, 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 set-up 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 HCS544X includes an automatic electronic shutter for changes in light level, and three zones of automatic backlight compensation options for viewing backlit scenes. The HCS544X 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 HCS544X is a general surveillance solution designed for object recognition that is required in locations where variable light and low light conditions exist. Set-up is quick and easy and can be customised with on-screen displays menu. This provides optimum performance for both indoor and outdoor applications including lobbies, atrium, 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 set-up
- Variable AGC Setting to adjust the level at which the camera switches from colour to black and white in low light
- One power connection self-configures to 12 VDC or 24 VAC with transient surge protection

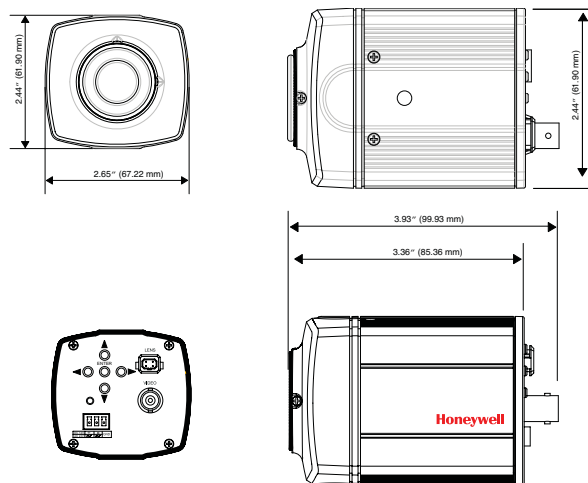


# HCS544X

## SPECIFICATIONS

Operational	
Video Standard	PAL
Scanning System	625/50 lines (PAL)
Image Sensor	1/3" CCD
Number of Pixels (H x V)	HCS544X: 752 x 582 (PAL)
Minimum Illumination	0.3 lux colour/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	1/50 – 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: Aluminium Finish: Cool Grey 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	
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



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

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

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