

## HCD544/HCD544X

[www.honeywellvideo.com](http://www.honeywellvideo.com)

### TRUE DAY/NIGHT HIGH RESOLUTION CAMERA

The Honeywell HCD544 True Day/Night camera is ideally suited for use in 24/7 surveillance applications. The HCD544 adapts to varying lighting conditions to ensure the highest quality picture even in very low light. When the light level drops too low for accurate video identification in color, the camera automatically moves the IR cut filter out of the optical path and then switches to black and white video to capture more detail using the increased sensitivity of the CCD to IR light. The camera uses internal logic or an external LAMP connector to control the switchover from color to black and white. This improves the reliability of the operation of the camera in difficult installations or lighting conditions.

An on-screen 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 HCD544 includes an automatic electronic shutter for changes in light level, and automatic backlight compensation option for viewing backlit scenes. The HCD544 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, or 0 lux with auxiliary infrared lighting.

### Market Opportunities

The HCD544 is designed for high resolution 24/7 surveillance applications, including those using infrared illumination. This includes general indoor surveillance applications in retail, financial, and other commercial markets. Combined with the HHC12 environmental housing, the HCD544 can be used as a solution for outdoor applications such as parking lots, building entranceways, and driveways.

### Features

- 1/3" CCD with DSP
- >540 TV lines of resolution
- True Day/Night low light performance down to 0.1 lux (F1.2)
- Moving IR cut filter switched using internal logic or external control
- Automatic Electronic Shutter (AES)
- Automatic Backlight Compensation (BLC)
- Auto Sensing 12 VDC/24 VAC
- DC and manual iris lens support
- Improved low light sensitivity using external IR illumination



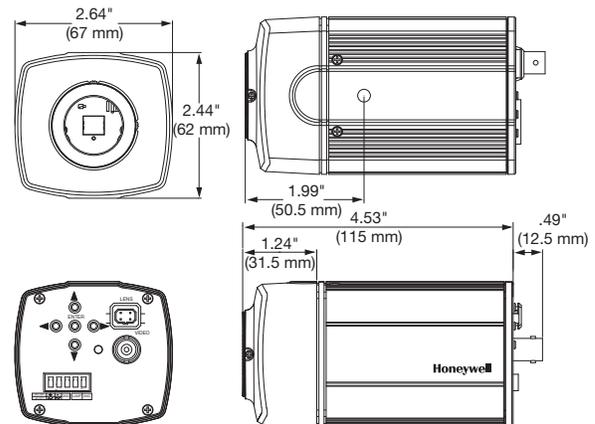
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## SPECIFICATIONS

Operational	HCD544	HCD544X
Video Standard	NTSC	PAL
Image Sensor	1/3" CCD	
Scanning System	525 lines, 2:1 interlace	625/50 lines, 2:1 interlace
Number of Pixels (H x V)	768 x 494	752 x 582
Minimum Illumination	0.5 lux color/0.25 lux B/W @ 50 IRE, f1.2 0.3 lux color/0.1 lux B/W @ 30 IRE, f1.2	
Horizontal Resolution	Greater than 540 TVL	
Video Output	1 Vp-p @ 75 Ohms	
Sync System	12 VDC: Internal 24 VAC: Internal	
S/N Ratio	50 dB or more (AGC off)	
Auto Gain Control	Off/On, selectable	
Automatic Electronic Shutter	1/60 – 1/100,000 sec	1/50 – 1/100,000 sec
White Balance	ATW/AWC Push Lock/AWC Auto/Manual/User	
BLC	Off/On	
Gamma	0.45	
Electrical		
Input Voltage	12 VDC/24 VAC	
Input Range	11 – 16 VDC, 17 – 28 VAC	
Surge Suppression	1.5 kW transient	
Power Consumption	4.5 W (max)	
Mechanical		
Dimensions	See Dimensions	
Weight	1.1 lb (.5 kg), camera only	
Construction (housing)	Extruded aluminum Finish: cool gray powder coated	
Connectors	Main Video Output: BNC Lens: 4-pin connector Power Input/LAMP: removable 5-pin 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 (EN55022)	
Immunity	CE (EN50130-4)	
Safety	LVD 2006/95/EC	

Accessories	
Recommended Lens Options	
HLD29V8DNL	2.9-8 mm, F0.95, DC Auto Iris lens, IR corrected
HLD27V13DNL	2.7-13.5 mm, F1.3, DC Auto Iris lens, IR corrected
HLD5V50DNL	5.0-50 mm, F1.6, DC Auto Iris lens, IR corrected
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	Description
HPTV2404UL	4A, 4 Output
HPTV2408UL	4A, 8 Output
HPTV2416UL	8A, 16 Output



Ordering	
HCD544	1/3" CCD High Resolution True Day/Night Camera with DSP, 540 TVL, 0.3 lux, 12 VDC/24 VAC, NTSC
HCD544X	1/3" CCD High Resolution True Day/Night Camera with DSP, 540 TVL, 0.3 lux, 12 VDC/24 VAC, PAL

### Honeywell Security & Data Collection

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