

HCD484LX

TRUE DAY/NIGHT HIGH RESOLUTION COLOUR CAMERA

The Honeywell HCD484LX colour camera is ideally suited for use in 24/7 surveillance applications. The HCD484LX 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 colour, 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 RS485 communication to control the switchover from colour 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 HCD484LX includes an automatic electronic shutter for changes in light level, and three zones of automatic backlight compensation option for viewing backlit scenes. The HCD484LX produces 480 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 Honeywell HCD484LX 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 AVH environmental housing, the HCD484LX can be used as a solution for outdoor applications such as car parks, building entranceways, and driveways.

Features

- 1/3" colour CCD with DSP
- 480 TV lines of resolution
- True Day/Night low light performance down to 0.1 lux (F1.2)
- Manual Exposure Mode for setting shutter speed
- Automatic Electronic Shutter (AES)
- 3 Zone Automatic Backlight Compensation (BLC)
- 12 VDC/24 VAC with line lock, phase adjustable
- DC, Video and Manual Iris lens support
- Phase adjustable line lock
- Improved low light sensitivity using external IR illumination

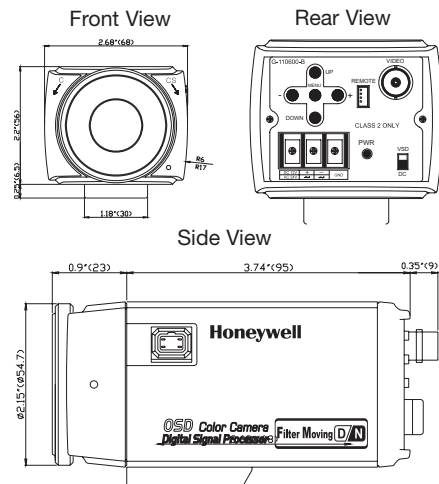


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SPECIFICATIONS

Operational	
Video Standard	PAL
Scanning System	625/50 TVL (PAL)
Image Sensor	1/3" Interline Transfer CCD
Number of Pixels (H x V)	752 x 582 (PAL)
Minimum Illumination	0.1 lux @ F1.2
Horizontal Resolution	480 TVL
Video Output	1.0 Vp-p @ 75 Ohms
Sync System	12 VDC: Internal 24 VAC: Line lock
S/N Ratio	>50 dB
Auto Gain Control	Off 10 db-38 db
ALC	Variable Iris control for DC drive lenses
Automatic Electronic Shutter	1/50 – 1/100,000 sec (PAL)
Manual Electronic Shutter	1/50 – 1/10,000 sec (PAL)
Lens Iris Control	DC drive/Video drive
BLC	3 zones - High, Middle, Low, Off
Line Lock Phase Adjustment	Adjustable AC line lock
White Balance	ATW/AWB/Manual/Fixed
OSD	Camera title setting/Menu control
Remote Control	RS485
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
Mechanical	
Dimensions (W x H x D)	68 mm x 56 mm x 120 mm
Weight	0.38 kg camera only
Construction	Housing: Aluminium Finish: Cool grey powder coat
Camera Mount	1/4 – 20 UNC mounting shoe
Lens Mount	C/CS adjustable mounting ring
Connector	Video output: BNC connector Lens: 4-pin connector Power Input: Screw terminal block
Power Indicator	Green LED indicates Power On

Environmental	
Temperature	Operating: -10°C to 50°C Storage: -20°C to 70°C
Relative Humidity	20% to 80%, non-condensing
Regulatory	
Emissions	FCC, CE (EN55013)
Immunity	CE (EN50130-4)
Safety	EU: 73/23/EEC LVD
Accessories:	
Recommended Lens Options	
HLD29V8DNL	2.9 - 8 mm, F0.95, DC Auto Iris, IR corrected
HLD27V13DNL	2.7 - 13.5 mm, F1.3, DC Auto Iris, IR corrected
HLD5V50DNL	5.0 - 50 mm, F1.6, DC Auto Iris, IR corrected
Housing and Mounts	
AVH530SH4	Housing - 12-24V, Aluminium, no shield
AVH530SH5	Housing - 110-240VAC, Aluminium, sunshield
AVH500WMB	Wall bracket - standard sunshield
AVH500CMB	Wall bracket -cable management
Power Supplies	
HPTV2401D	240V/24VAC 1A Output for internal use
HPTV2408-1D	230V/24VAC 8 individually fused 1A outputs for internal use



Ordering	
HCD484LX	1/3" CCD High Resolution True Day/Night Camera with DSP, 480 TVL, 0.1 lux, 12 VDC/24 VAC, RS485, PAL

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

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