HCC484TP

HIGH RESOLUTION, FULLY-FEATURED COLOR CAMERA WITH TWISTED PAIR OUTPUT

The Honeywell HCC484TP 1/3" CCD high resolution color camera is the premier choice for any surveillance application. One of Honeywell's high-end camera line, the sophisticated HCC484TP delivers superior low light performance to satisfy even the most stringent viewing requirements. The HCC484TP features a high resolution of 480 TV lines and Digital Signal Processing (DSP) for clean, sharp images.

Adaptable to varying light levels, the HCC484TP features a high sensitivity of 0.1 lux @ F1.2 and 0.001 lux with digital slow shutter for unprecedented sensitivity in extremely low light conditions. Three user-selectable BLC windows provide the flexibility to view high contrast scenes from almost any angle. The camera features Black Mask BLC, which reduces bright glaring light from a scene (for example, removes the glare from car headlights for license plate identification).

The HCC484TP offers quick and easy setup via the On-screen Display (OSD) menu or via RS-485 remote control. The camera can be installed using conventional coax or unshielded twisted pair (UTP) with its built-in NVT transceiver. UTP provides the ultimate in flexibility and offers a significant advantage in labor and material savings. Installers can back focus the camera quickly and easily using its convenient thumbwheel. The HCC484TP mounts using a 1/4"-20 UNC mounting shoe. Also, the camera has an auto sensing 12 VDC/24 VAC power supply feature for multiple camera connection.

Market Opportunities

The HCC484TP is one of Honeywell's products that deliver increased flexibility, superior performance, and advanced technologies for today's most demanding applications, including parking garages, office buildings and educational institutions. This full featured camera is ideal for use with Honeywell's series of Digital Video Recorders.

Features

- High-performance 1/3" CCD with DSP

- High resolution picture quality through DSP, 480 TV lines

- Ultra low light 0.001 lux with Digital Slow Shutter

- OSD menu control/camera title setting

- Powerful back light compensation through 3 modes BMB™ (Black Mask BLC) control

- Remote control through RS-485

- 12 VDC/24 VAC with line lock

- C/CS lens mount
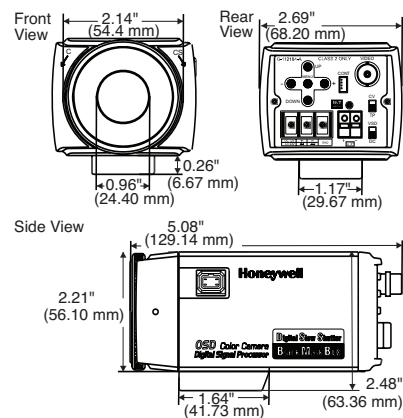
- DC, Video and Manual Iris lens support

SPECIFICATIONS

Operational

Video Standard	NTSC, PAL
Scanning System	525 lines (NTSC), 625 lines (PAL)
Image Sensor	1/3" CCD, 410K pixels (NTSC) 1/3" CCD, 470K pixels (PAL)
Number of Pixels (H x V)	768 x 494 (NTSC) 752 x 582 (PAL)
Minimum Illumination	0.1 lux @ F1.2 (30 IRE) 0.001 lux @ F1.2 (128X DSS)
Horizontal Resolution	480 TVL
Video Output	1.0 Vp-p @ 75 Ohms
Sync System	12 VDC: Internal 24 VAC: Line lock, Internal
S/N Ratio	More than 50 dB (AGC off)
Auto Gain Control	Off/on switch (4 - 38 dB)
ALC	Adjusted (with direct drive Auto Iris lenses)
Automatic Electronic Shutter	1/60 – 1/15,000 sec (NTSC) 1/50 – 1/15,000 sec (PAL)
White Balance	ATW/AWC/Indoor/Outdoor/Fluorescent/Manual/One Push WB
Line Lock Phase Adjustment	Adjustable AC line lock, ±90°
BLC	On/off (3 modes)
BMB™ (Black Mask BLC)	On/off (3 modes)
OSD	Camera title setting/Menu control
Remote Control	RS-485

Electrical

Input Voltage	24 VAC/12 VDC (Non polarized)
Input Range	17 - 28 VAC, 10 - 16 VDC
Surge Suppression	1.5 kW transient
Power Consumption	4 W (max)

Mechanical

Dimensions (W x H x D)	2.68" x 2.2" x 4.72" 68 mm x 56 mm x 120 mm
Weight	0.84 lb (380 kg)
Construction	Housing: Aluminum Finish: Cool gray
Camera Mount	1/4-20 UNC mounting shoe
Lens Mount	C/CS adjustable top or bottom thumbwheel
Connector	Video Output: BNC, UTP Push terminal Lens: 4-pin connector Power Input: Screw terminal block
LED	Red, power

Ordering

HCC484TP	1/3" High Resolution Color Camera with DSP, BMB control, 480 TVL, 12 VDC/24 VAC, NTSC
HCC484TPX	1/3" High Resolution Color Camera with DSP, BMB control, 480 TVL, 12 VDC/24 VAC, PAL

Environmental

Temperature	Operating: 14°F to 122°F (-10°C to 50°C) Storage: -4°F to 158°F (-20°C to 70°C)
Relative Humidity	0 to 90% non-condensing

Regulatory

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

Accessories:

Lenses

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, Aspherical Vari-focal lens
HLD5V50F13L	5.0 - 50 mm, F1.3, DC Auto Iris lens

Housings 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
HPT12DC500	12 VDC, 500 mA plug-in regulated 2.1 mm coaxial plug UL Listed/CSA Certified

Power Supplies

UL Listed	Fused	Smart Fused	Description
HPTV2404UL	HPTV2404	HPTV2404CB	4 A, 4 Output
HPTV2408UL	HPTV2408	HPTV2408CB	4 A, 8 Output
HPTV2416UL	HPTV2416	HPTV2416CB	8 A, 16 Output

Front View 2.14" (54.4 mm)   Rear View 2.69" (68.20 mm)

0.26" (6.67 mm)   0.96" (24.40 mm)   1.17" (29.67 mm)

Side View 5.08" (129.14 mm)

2.21" (56.10 mm)   Honeywell   OSD Color Camera Digital Signal Processor   BmB   Digital Slow Shutter

1.64" (41.73 mm)   2.48" (63.36 mm)

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

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