HCCM674M

HIGH RESOLUTION DAY/NIGHT MINIATURE BOX CAMERA

The HCCM674M represents a breakthrough in camera design. At just a quarter of the size of a traditional camera, the HCCM674M produces superior quality pictures in variable and low-light conditions.

Ideal for use in tight spaces, such as small dome housings and automated teller machines, the HCCM674M adapts to varying lighting conditions to ensure the highest picture quality. When the light level drops too low for accurate video identification in color, the camera switches automatically to black-and-white video for a cleaner picture.

Camera setup is accomplished using an on-screen display. Menu navigation is simple and picture adjustments can be made in a matter of seconds with easy-to-use push buttons on the back of the camera.

Features of the HCCM674M include a 1/3" 480,000-pixel, low-light CCD sensor with on-chip micro lenses and low-noise digital signal processing, backlight compensation, white balance, auto iris adjustment, 24-character text display, motion detection, privacy masking, and more.

Market Opportunities

The Honeywell HCCM674M provides a cost-effective, discreet video solution in surveillance applications requiring high-resolution video in low-light conditions. These include general indoor surveillance applications in retail, financial, gaming, and other commercial markets.

Features

- 1/3" CCD with on-chip micro lenses and low-noise digital signal processing
- High sensitivity (0.1 lux @ F1.2, 50 IRE)
- 650 TV lines of resolution
- Small footprint: 2.8 × 1.6 × 1.6 in. (72 × 41 × 41 mm)
- C/CS lens mount

- On-screen display menu and adjustment
- Backlight/highlight compensation
- Seven white balance control modes
- Adaptive tone reproduction
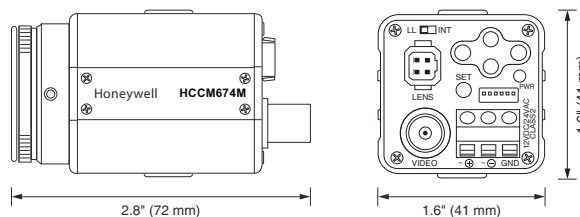- Motion detection
- Privacy masking

SPECIFICATIONS

Operational	
Video Standard	NTSC
Scanning System	2:1 interlace
Image Sensor	1/3" Sony Interline Transfer CCD
Number of Pixels (H × V)	976 × 494
Minimum Illumination	0.1 lux at F1.2, 50 IRE
Horizontal Resolution	650 TVL
Video Output	1.0 Vp-p at 75 ohms
Sync System	Internal or line lock
S/N Ratio	50 dB (AGC off)
Auto Gain Control	Off/On
Automatic Electronic Shutter	1/60–1/100,000 s
White Balance	ATW/ Push/User 1/User 2/Anti CR/ Manual/Push Lock
BLC	Off/BLC/HLC
Picture Adjust	Mirror/Brightness/Contrast/Sharpness/ Hue/Gain
ATR	Off/On
Motion Detection	Off/On (with on-screen notification)
Privacy Masking	Off/On
Day/Night	Auto/Color/BW
Noise Reduction	Y/C reduction
Camera ID	Off/On (24 alphanumeric characters)
Languages	English, Japanese, German, French, Russian, Spanish, Portuguese

Electrical	
Input Voltage	12 VDC/24 VAC
Input Range	10–14 VDC, 20–28 VAC
Surge Suppression	1.5 kW transient
Power Consumption	3.5 W (max)

Mechanical	
Dimensions (L × W × H)	2.8" × 1.6" × 1.6" (72 × 41 × 41 mm)
Weight	0.35 lb (0.16 kg) camera only
Construction	Housing: Aluminum Finish: Charcoal powder coat
Camera Mount	1/4" - 20 UNC (top and bottom)
Lens Mount	C/CS adjustable mounting ring
Connector	Video Output: BNC connector Lens: 4-pin connector Power Input: 3-pin screw terminal

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: Part 15, Class A CE: EN 55022
Immunity	CE: EN 50130-4

Accessories	
Recommended Lens Options	
HLD28V8F95L	2.8–8 mm, F0.95, VFAI lens
HLD5V50F13L	5–50 mm, F1.3, VFAI lens
Transformers	
HTP2420	24 VAC, 20 VA, Class 2 plug-in with thermal cut-out
HTP12DC500	12 VDC, 500 mA, plug-in regulated 2.1 mm coax plug, UL Listed/CSA Certified
Power Supply	
HPTV2404UL	24 VAC, 4 A, 4 output, fused, UL Listed

Ordering	
HCCM674M	1/3" CCD, High Resolution Day/Night Miniature Camera with DSP, 650 TVL, 12 VDC/24 VAC, NTSC

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

Honeywell

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