

HD3CHX

SUPER HIGH RESOLUTION COLOUR INDOOR MINI-DOME CAMERAS

Honeywell's HD3CHX indoor colour dome camera encompasses the latest in colour Digital Signal Processing (DSP) technology. The super high resolution HD3CHX integrates a camera and lens into a single piece tamper proof, compact unit that can be surface or flush mounted for fast and easy installation. It is attractive and unobtrusive yet provides a crime-detering presence round-the-clock with its excellent low light imaging protection. The compact surface mount or flush one-piece mount design allows for fast, easy installation and a wall/pendant mount kit is available in off white for inconspicuous installation in virtually any application. The housing is designed to easily mount directly to a ceiling or wall, and a 4S adapter plate is supplied with the unit for mounting over an electric box. A service/monitor cable is also included for easy on-site adjustments.

The HD3CHX incorporates a 1/3" CCD, offering 540 TV lines of crisp, clear horizontal resolution with a minimum illumination of 0.6 lux. The HD3CHX comes equipped with a 2.8 – 10 mm (F1.3) Vari-focal Auto Iris lens to cover a wide range of viewing angles. Picture adjustment after installation is easy with the 3-D axis gimbal that is capable of 360° of pan, 180° of tilt and 360° of horizontal rotation. The HD3CHX also features a tamper resistant lockable cover and a 'cable management' housing design for installations requiring the video and power connectors to be contained within the housing base.

The HD3CHX accepts either 12 VDC or 24 VAC (auto sensing) for proper operation and flexible installation. The Backlight Compensation (BLC) and Auto Tracking White Balance (ATW) ensure crisp colour images in dark or backlit environments such as windows and doorways. The Automatic Gain Control (AGC) feature increases the signal strength from the camera when scene lighting is low, keeping the picture sharp and viewable.

Market Opportunities

The HD3CHX can reproduce pictures clearly down to the smallest detail, making it easier to identify subjects. It is the ideal solution in commercial and government sites, casinos, retail stores or hospitals – anywhere surveillance must be discreet.

Features

- 1/3" Sony Interline CCD
- Super high resolution colour: 540 TV lines
- Single model for surface mount and recessed ceiling applications, 4S adapter plate also supplied
- Tamper resistant dome offers secure installation
- Polycarbonate housing and dome
- Easy to use 'cable management' housing design
- Clear dome with liner for discretion with no light loss
- 2.8 – 10 mm (F1.3) Aspherical Vari-focal Auto Iris lens
- Local video output for setup
- 3D - axis gimbal
- Line Lock with phase adjustment (24 VAC)
- Dual 12 VDC/24 VAC voltage
- Housing available in off-white
- Pendant and wall mount kit available



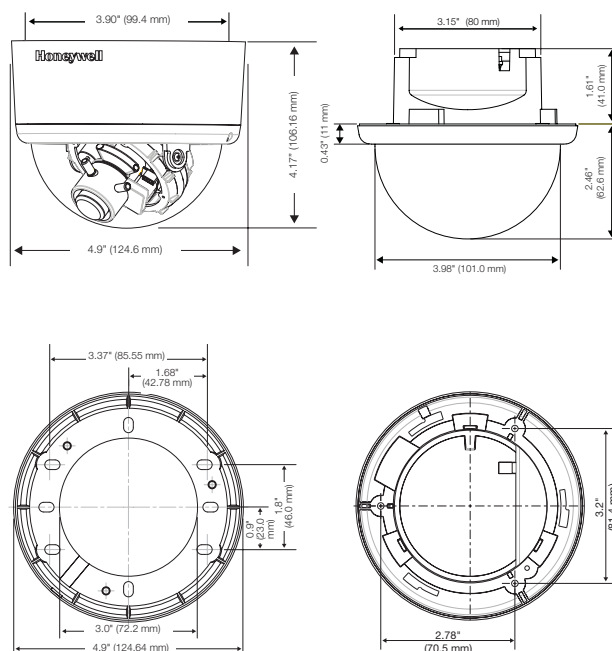
HD3CHX shown with mount ring for surface mount HD3CHX shown without mount ring for flush mount

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SPECIFICATIONS

Operational	HD3CHX
Video Standard	PAL
Scanning System	625/50 lines (PAL)
Image Sensor	1/3" Sony CCD colour image sensor
Number of Pixels (H x V)	752 x 582 (PAL)
Minimum Illumination	0.6 lux @ F1.3 (AGC on, 50 IRE)
Horizontal Resolution	540 TVL
Video Output	1.0 Vp-p, composite @ 75 Ohms
Sync System	12 VDC: Internal 24 VAC: Line lock
S/N Ratio	50 dB (AGC Off)
Auto Gain Control	On/off, selectable
ALC	Auto Iris: DC drive
Automatic Electronic Shutter	1/50 – 1/100,000 second (PAL)
White Balance	ATW/AWC
Line Lock Phase Adjust	Adjustable (available only with 24 VAC)
BLC	On/off, switchable
Flickerless	On/off, switchable
Lens Type	2.8 to 10 mm, Vari-focal Auto Iris, F1.3
Angle of View	Tele: 34.3° (D), 27.4° (H), 20.5° (V) Wide: 129° (D), 100.2° (H), 73.3° (V)
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 (W x H x D)	See Diagram
Weight	0.66 lb (.3 kg) max
Construction	Housing: Polycarbonate Dome: Polycarbonate Finish: Matte texture, Off White
Connectors	Video Output: BNC connector Power Input: 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 90% non-condensing
Regulatory	
Emissions	FCC, CE (EN55022)
Immunity	CE (EN50130-4)
Safety	UL60065, EU: 73/23/EEC LVD
Accessories	
Mounts	
HD3-MK	Wall/Pendant Mount Kit, Off White



Ordering	
HD3CHX	1/3" CCD High Resolution Colour Dome Camera, Off White Housing, 540 TVL, 2.8 - 10 mm VFAI, PAL

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

Honeywell Security

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