

HD3DS

HIGH RESOLUTION VFAI LENS TRUE DAY/NIGHT INDOOR MINIDOME CAMERA

Honeywell's HD3DS high resolution indoor fixed minidome camera delivers superb image quality in almost any lighting and is easy to install.

The HD3DS is a True Day/Night camera that automatically switches from color to black and white mode depending upon available light. It uses a removable infrared (IR) cut filter and an optical low-pass filter (OLPF) in black and white mode to guarantee superior image quality at any time of day or night. The HD3DS incorporates the latest Digital Signal Processing (DSP) and Digital Noise Reduction (DNR) technology to produce extremely sharp, clear images regardless of lighting levels. DNR removes noise artifacts from the image, improving motion detection performance and enabling longer DVR recording times. Offering 600 TV lines of horizontal resolution with a minimum illumination of 0.05 lux, the HD3DS captures the smallest details with outstanding accuracy.

Installation is fast and easy. The housing pieces snap together so there are no screws to remove and the camera converts easily to a surface or flush mount for direct installation to a ceiling, wall, or 2S electrical box. With the built-in "push and turn" brackets no additional mounting hardware is required for flush mounting on a ceiling or wall. The HD3DS comes with a 2.8–12 mm (F1.4) varifocal auto iris lens for a wide range of viewing angles and a 3D axis gimbal provides 360° of pan, 70° of tilt, and 360° of horizontal rotation for precise camera positioning. A second video output and on-board OSD controller are provided for on-site adjustments.

Market Opportunities

Superb picture quality, true color reproduction, and enhanced low-light performance makes the Honeywell HD3DS minidome camera the ideal solution for a wide range of indoor surveillance applications, including banks, ATMs, lobbies, atriums, commercial or government facilities, schools, casinos, retail stores, or hospitals.

Features

- 1/3" Interline Transfer CCD
- High resolution: 600 TVL with mechanical IR cut filter technology
- 2.8–12 mm (F1.4) VFAI lens
- True day/night function
- 3D digital noise reduction
- 3D axis gimbal
- Second video output and on-screen display for easy setup
- Dual 12 V DC or 24 V AC power input
- Surface, flush, and pendant mount options available



Surface Mount



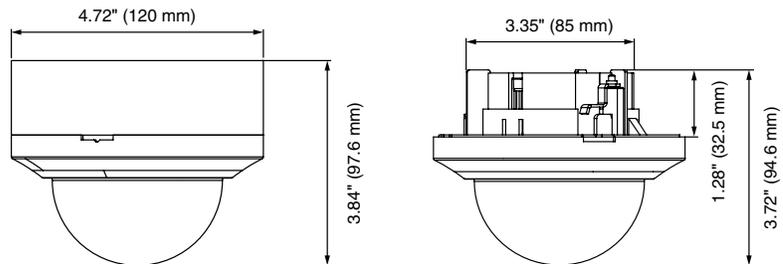
Flush Mount

SPECIFICATIONS

Operational	
Video Standard	NTSC/PAL
Image Sensor	1/3" Interline Transfer CCD
Number of Pixels (HxV)	811 x 508 (NTSC) 795 x 596 (PAL)
Minimum Illumination	0.05 lux @ F1.4, 50 IRE 0.0 lux @ F1.4 (with external IR illumination*)
Horizontal Resolution	600 TVL
Video Output (Aux)	1.0 Vp-p @ 75 ohms
Sync System	Internal
S/N Ratio	50 dB or more (AGC off)
Auto Gain Control	Low/Mid/High/Highest
Automatic Electronic Shutter	1/60 to 1/100,000 s (NTSC) 1/50 to 1/100,000 s (PAL)
Sense-Up	x2 to x1024
Lens Type	2.8–12 mm VFAI, DC drive, F1.4
Gamma	0.45
Day/Night	Auto/Color/BW
3D DNR	Off/Low/Mid/High/Smart
Motion Detection	4 programmable zones
Privacy Mask	6 programmable zones
White Balance	AWC/ATW/Push Lock/Manual
Wide Dynamic Range	Low/Normal/Mid/High
Highlight Masking	On/Off
Backlight Compensation	On/Off
Electrical	
Input Voltage	12 V DC/24 V AC
Input Range	11–16 V DC, 17–28 V AC
Power Consumption	2.2 W (max)

Mechanical	
Dimensions (W x H)	4.72" x 3.84" (120 mm x 97.6 mm)
Weight	0.66 lb (0.3 kg)
Construction	Housing: ABS Bubble: Polycarbonate
Connectors	Main video: BNC (coax) Aux video: 2-pin connector Power input: 2.1 mm plug
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, Part 15, Class A EN 55022
Immunity	EN 50130-4
Safety	EN 60065 UL/CSA 60065
Recommended Accessories	
Housing Mount	
HD3-MK1	Pendant/Wall Mount Kit
Power Supplies	
HPTV2404UL	24 V AC, 4 A, 4 Output, Fused, UL Listed
HPTV2408UL	24 V AC, 4 A, 8 Output, Fused, UL Listed
HPTV2416UL	24 V AC, 4 A, 16 Output, Fused, UL Listed

*IR illuminator sold separately.



Ordering	
HD3DS	High Resolution, TDN, Indoor Minidome Camera, 1/3" CCD, 600 TVL, 2.8–12 mm VFAI, 12 V DC/24 V AC, NTSC
HD3DSX	High Resolution, TDN, Indoor Minidome Camera, 1/3" CCD, 600 TVL, 2.8–12 mm VFAI, 12 V DC/24 V AC, PAL

For more information:

www.honeywell.com/security

Automation and Control Solutions

Honeywell Security Products Americas
2700 Blankenbaker Pkwy, Suite 150
Louisville, KY 40299
1.800.323.4576
www.honeywell.com

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May 2013
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