

HD3US

www.honeywellvideo.com

SUPER HIGH RESOLUTION VFAI LENS ULTRA WIDE DYNAMIC INDOOR MINIDOME CAMERA

Honeywell's HD3US indoor fixed minidome camera delivers outstanding image quality in a wide variety of lighting conditions and is easy to install.

The 1/3" progressive scan CMOS sensor produces high-resolution, crystal clear images using Digital Pixel System® technology. This all-digital technology employs hundreds of thousands of pixels that each act like an individual camera, constantly self-adjusting to eliminate visual noise while delivering natural color and clarity.

The HD3US's enhanced dynamic range (120 dB max) allows it to capture critical details in scenes consisting of both bright and dark areas without compromising image quality or color accuracy. 3D Motion Adaptive Digital Noise Reduction (3DDNR) technology removes noise artifacts from the image, improving motion detection performance and enabling longer DVR recording times.

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 HD3US 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 HD3US 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" progressive scan CMOS image sensor
- Super high resolution: 690 HTVL
- 2.8–12 mm (F1.4) VFAI lens
- Dynamic range: 102 dB typical/ 120 dB max. (100 to 200 times greater than conventional CCD cameras)
- Progressive scan video capture for sharp image definition in all lighting conditions
- 3D digital noise reduction and day/night function
- 3D axis gimbal
- Local video output and on-screen display for easy setup
- Dual voltage: 12 V DC or 24 V AC power input
- Surface, flush, and pendant mount options available



Surface Mount

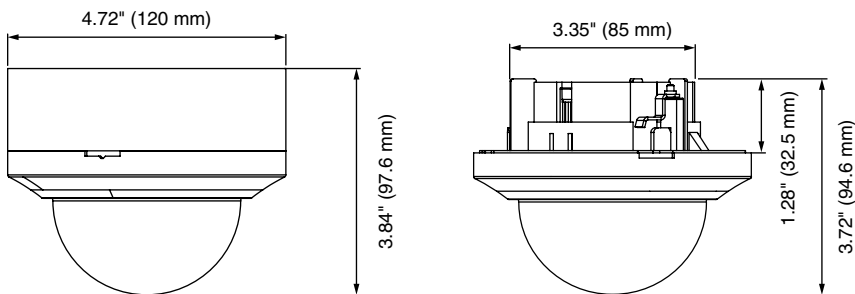


Flush Mount

SPECIFICATIONS

Operational	
Video Standard	NTSC/PAL
Scanning System	Progressive scan
Image Sensor	1/3" CMOS
Number of Pixels (HxV)	768 x 548
Minimum Illumination	0.08 lux @ F1.4, 50 IRE
Horizontal Resolution	690 HTVL
Video Output (Aux)	1.0 Vp-p @ 75 ohms
Sync System	12 V DC: Internal 24 V AC: Internal or line lock
S/N Ratio	50 dB or more (AGC off)
Auto Gain Control	Low/Mid/High/Custom
Automatic Electronic Shutter	1/25 to 1/30720 s
Sense-Up	x2 to x64
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
Motion Detection	4 programmable zones
Privacy Mask	6 programmable zones
White Balance	AWC/ATW/Push Lock/Manual
Wide Dynamic Range	Low/Normal/Mid/High
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	3.1 W (max)

Mechanical	
Dimensions (W x H)	4.72" x 3.84" (120 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



Ordering	
HD3US	Ultra Wide Dynamic, Day/Night, Indoor Minidome Camera, 1/3" CMOS, 690 HTVL, 2.8–12 mm VFAI, 12 V DC/24 V AC, NTSC
HD3USX	Ultra Wide Dynamic, Day/Night, Indoor Minidome Camera, 1/3" CMOS, 690 HTVL, 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

L/HD3USD/D
December 2012
© 2012 Honeywell International Inc.