

## HD60

### STANDARD RESOLUTION FIXED LENS DAY/NIGHT IR INDOOR MINIDOME CAMERA

The Performance Series rounds out Honeywell's camera portfolio with a variety of indoor, outdoor and low-light cameras that lets end users pick the perfect camera for virtually any installation. Ideal for a diverse range of applications, the Performance Series includes a wide range of high performing IR bullet cameras and minidomes that are easy to install and even easier to use.

The HD60 is a day/night indoor minidome camera that switches from color to black-and-white mode depending upon available light. The HD60 incorporates a 1/3" CCD that offers 380 TV lines of crisp, clear horizontal resolution. The cameras come equipped with 24 integrated LEDs, a built-in fixed lens (f=4.0 mm) and a 3D axis gimbal that is capable of 360° of pan, 180° of tilt and 360° of horizontal rotation. In addition, the lens is separated from the LEDs by an IR boot mechanism which eliminates internal IR glare.

The HD60 integrates a camera, lens and LEDs into a one piece compact unit which can be ceiling or wall mounted for fast and easy installation. It is attractive and unobtrusive yet provides a crime-detering presence around the clock with its excellent low-light imaging protection. It comes standard with a two-conductor pigtail that connects to the barrel connector so there is no need to cut wires during installation. It also features a video out port for easy focus adjustment. The HD60 is designed for use in challenging environments.

#### Market Opportunities

The HD60 is a cost-effective surveillance solution for applications that experience changing light conditions throughout the day. The HD60 offers a simple yet solid design that provides optimum performance for all indoor applications including lobbies, schools, commercial, residential or hotel lobbies — anywhere surveillance must be discreet.

#### Features

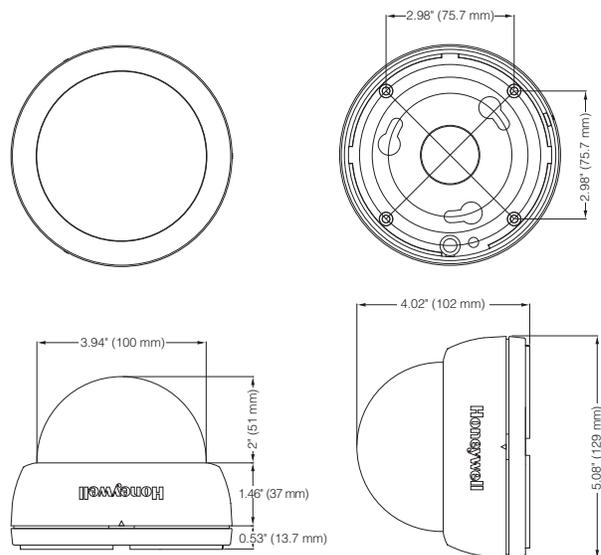
- Standard resolution color: 380 TV lines
- 1/3" Sony Super HAD CCD
- Day/Night function with an array of 24 high-efficiency IR LEDs (850 nm)
- Built-in fixed lens (f=4.0 mm)
- ABS dome and acrylic housing
- User-friendly design for easy access and adjustment of camera settings
- Even distribution of the IR for optimal image capture
- Total effectiveness in zero lux environments
- IR LED visible range of up to 50 ft. (15 m), depending on scene reflectance
- 3D axis gimbal
- Video out port for setup
- Two-conductor pigtail is standard for connection to barrel connector
- 12 V DC input



## SPECIFICATIONS

Operational	
Video Standard	NTSC/PAL
Scanning System	2:1 interlaced
Image Sensor	1/3" Sony HAD CCD sensor
Number of Pixels (H x V)	537 x 505 (NTSC) 537 x 597 (PAL)
Minimum Illumination	0.0 lux, operates in complete darkness
Horizontal Resolution	380 TVL
Video Output	1.0 Vp-p, composite @ 75 ohms
Sync System	Internal
S/N Ratio	48 dB or more (AGC Off)
Auto Gain Control	On/Off
Automatic Electronic Shutter	1/60 – 1/100,000 second (NTSC) 1/50 – 1/100,000 second (PAL)
White Balance	Auto
IR LEDs	850 nm, 24 LEDs
IR Illumination Distance	Up to 50 ft. (15 m), depending on scene reflectance
BLC	On/Off
Gamma	0.45
Lens Type	Built-in fixed (f=4.0 mm)
Angle of View	H: 68° V: 50°
Electrical	
Input Voltage	12 V DC
Input Range	10 – 14 V DC
Power Consumption	5 W (max) with IR LEDs on
Mechanical	
Dimensions (W x H)	5.08" x 4.02" (129.0 mm x 102.0 mm)
Weight	0.81 lb. (0.366 kg)
Construction	Housing: ABS Dome: Acrylic Finish: Light gray
Connectors	Main Video: BNC connector Aux Video: 2-pin connector for video test cable (supplied) 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, CE (EN55022) Class A
Immunity	CE (EN50130-4)
Safety	EU: EN60065
Accessories	
Power Supplies	
HPT12DC500	12 V DC/500 mA Plug-in Regulated 2.1 mm Coaxial Plug UL Listed/CSA Certified



Ordering	
HD60	Day/Night IR Indoor Minidome Camera, 1/3" CCD, 380 TVL, 4.0 mm Fixed Lens, 24 IR LEDs, 12 V DC, NTSC
HD60X	Day/Night IR Indoor Minidome Camera, 1/3" CCD, 380 TVL, 4.0 mm Fixed Lens, 24 IR LEDs, 12 V DC, PAL