

HBD92S

DAY/NIGHT BULLET CAMERA

The Honeywell HBD92S day/night bullet camera with IR illumination captures perfect color images by day and clear black-and-white images at night.

The 2.8-12 mm IR-corrected aspherical Vari-focal Auto Iris lens offers a wide field of view range and does not shift focus when the camera switches from day to night mode. Digital Noise Reduction (DNR) removes noise artifacts, resulting in improved motion detection performance and longer recording times. Digital Slow Shutter (DSS) technology offers increased light sensitivity, extending the camera's usable range.

The HBD92S is easy to install and set up. Externally accessible screw gears let you adjust the lens field of view and focus. A bottom-mounted porthole provides access to the on-screen display menu and IR power adjustment. The camera is locked in position by a secure mounting bracket. Wiring is concealed so it cannot be cut or disconnected. The HBD92S can be mounted to a wall or ceiling in minutes.

Market Opportunities

The HBD92S is a surveillance solution designed for object recognition in locations where low or variable light conditions exist. Setup is quick and easy and can be customized with user-friendly on-screen displays and preset modes. The HBD92S is suitable for both indoor and outdoor applications, including lobbies, atriums, foyers, vestibules, gated entrances, driveways, and loading docks.

Features

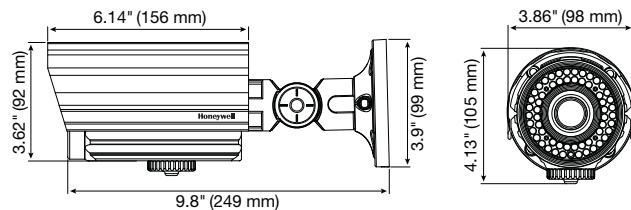
- Switchable IR cut filter
- 56 IR LEDs
- 2.8-12 mm, F1.4 Vari-focal Auto Iris IR-corrected lens with external adjustments for zoom and focus
- High resolution color: 600 TVL, 1/3" Sony Super HAD™ CCD
- Digital noise reduction technology for noise-free images
- On-screen display (OSD) menu for quick camera setup
- Power connection self-configures to 12 VDC or 24 VAC with transient surge protection
- Twelve programmable privacy zones
- Built-in breather vent prevents condensation
- Local video output for setup



SPECIFICATIONS

Operational	
Video Standard	NTSC or PAL
Scanning System	525/60 lines (NTSC) 625/50 lines (PAL)
Image Sensor	1/3" Sony Super HAD™ CCD II
Number of Pixels (H × V)	HBD92S: 768 × 494 (NTSC) HBD92SX: 752 × 582 (PAL)
Minimum Illumination	IR LED on: 0 lux
Horizontal Resolution	600 TVL
Video Output	1.0 Vp-p, 75 ohms
Sync System	12 VDC: Internal 24 VAC: Internal or line lock
S/N Ratio	50 dB or more (AGC off)
Auto Gain Control	Low/High/Off
Automatic Electronic Shutter	1/60-1/120,000 s (NTSC) 1/50-1/120,000 s (PAL)
Lens Type (IR Corrected)	2.8-12 mm VFAI, F1.4, DC drive
Angle of View	Tele: 30.2° (D) × 24.1° (H) × 18.2° (V) Wide: 124.3° (D) × 96.7° (H) × 71.2° (V)
Sync	Internal
IR LEDs	850 nm, 56 LEDs
IR Illumination Distance	75 ft (24 m) to 100 ft (30 m), depending on scene reflectance
DNR	On/Off (Level adjustable)
BLC	BLC/HLC/Off
Day/Night	External/Color/BW/Auto
White Balance	ATW/Outdoor/Indoor/Manual/AWC
Sens-Up	Auto/Off (Selectable ×2 to ×512)
Motion Detection	On/Off (8 programmable zones)
Privacy Masking	On/Off (12 programmable zones)
SSDR (Dynamic Range)	On/Off (Level adjustable)
Digital Zoom	On/Off (×1 to ×16)
DIS	On/Off
Sharpness	On/Off (Level adjustable)
Flip/Mirror	On/Off

Electrical	
Input Voltage	12 VDC/24 VAC
Input Range	11-16 VDC, 17-28 VAC
Surge Suppression	1.5 kW transient
Power Consumption	IR LED on: 911 mA, 12 W (max)
Mechanical	
Dimensions	See diagram
Weight	3.75 lb (1.7 kg)
Construction	Housing: Brushed and anodized aluminum with sunshield
	Finish: Brushed and anodized aluminum
Connector	Main Video: BNC (coax)
	Aux Video: 2-pin connector for video test cable
	Power Input: 2.1 mm power plug
Environmental	
Temperature	Operating: -13°F to 122°F (-25°C to 50°C)
	Storage: -31°F to 140°F (-35°C to 60°C)
Relative Humidity	0% to 95%, non-condensing
Rating	IP66
Regulatory	
Emissions	FCC: Part 15, Class A CE: EN 55022
Immunity	CE: EN 50130-4
Accessories	
Transformers	
HPT2440	24 VAC, 40 VA, Class 2 plug-in with thermal cut-out
Power Supply	
HPTV2404UL	24 VAC, 4 A, 4 output, fused, UL Listed



Ordering	
HBD92S	1/3" CCD IR Bullet Camera, TDN, 600 TVL, 2.8-12 mm VFAI, 56 IR LEDs, 12 VDC/24 VAC, NTSC
HBD92SX	1/3" CCD IR Bullet Camera, TDN, 600 TVL, 2.8-12 mm VFAI, 56 IR LEDs, 12 VDC/24 VAC, PAL

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

Automation and Control Solutions

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