HB74HD2/HB75HD2

PERFORMANCE SERIES HQA 1080P TRUE DAY/NIGHT INDOOR/OUTDOOR IR BULLET CAMERAS

Supercharge your analog security system with Honeywell's HQA technology for high definition 720p/1080p images over your existing coax infrastructure. The Performance Series HQA line includes a wide range of high performing IR cameras that are easy to install and even easier to use.

Superior Image Quality
- Full HD 1080p 25/30 fps or 720p 50/60 fps image with 1/3" 2 MP sensor (HB74HD2) or 1/2.8" 2.4 MP sensor (HB75HD2)
- Long distance transmission over coaxial cables with low attenuation and latency—up 984 ft (300 m) over RG59
- Vivid color pictures by day and clear black-and-white pictures at night
- Excellent low-light performance (0.05 lux color, 0 lux b/w)
- 3.6 mm fixed lens (HB74HD2) or 2.7–12 mm varifocal manual iris lens (HB75HD2)

24-Hour Surveillance
- True Day/Night capability
- Smart infrared (IR) technology for even distribution of IR
- IR LEDs provide up to 65 ft (20 m) (HB74HD2) or 100 ft (30 m) (HB75HD2) of illumination, depending on scene reflectance

Dependable Outdoor Performance
- Weatherproof IP66-rated housing
- Vandal resistant

Easy Installation
- Compact design for fast, easy installation
- Mounts directly to a ceiling or wall
- 3-axis rotation
- Uses existing BNC cabling; no rewiring required

Market Opportunities

The HB74HD2 and HB75HD2 cameras are cost-effective surveillance solutions suitable for both indoor and outdoor applications, including schools, colleges, hospitals, commercial sites, industrial parks, airports, gated entrances, loading docks, and driveways.
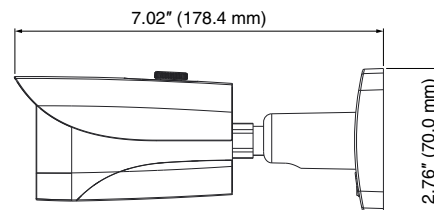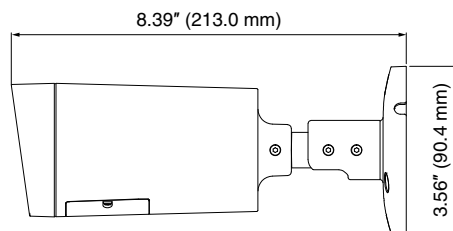

HB74HD2(X)

HB75HD2(X)

SPECIFICATIONS

Model	HB74HD2(X) Bullet	HB75HD2(X) Bullet
Operational		
Video Standard	NTSC/PAL	
Scanning System	Progressive	
Image Sensor	1/3" 2 MP CMOS	1/2.8" 2.4 MP CMOS
Number of Pixels	1920 (H) × 1080 (V)	1984 (H) × 1225 (V)
Minimum Illumination	0.05 lux @ F1.2 (AGC on) 0 lux (IR LEDs on)	
Video Output	1-channel BNC HQA 1080p/720p, switchable to standard definition CVBS video	
Video Frame Rate	1920 × 1080 @ 25/30 fps 1280 × 720 @ 25/30/50/60 fps	
Sync System	Internal	
Automatic Electronic Shutter	1/3–1/100,000 s	
Lens Type	3.6 mm fixed	2.7–12 mm VFMI
Horizontal Angle of View	67.2°	105.5° to 32.9°
Vertical Angle of View	37.2°	61.6° to 20.3°
IR LEDs	850 nm, 24 LEDs	850 nm, 24 LEDs
IR Illumination Distance	Up to 65 ft (20 m), depending on scene reflectance	Up to 100 ft (30 m), depending on scene reflectance
Day/Night	Auto with ICR	
Automatic Gain Control	Auto	
White Balance	Auto	
Backlight Compensation	On/Off	
Digital WDR	On/Off	
Digital Noise Reduction	2D/3D	

Model	HB74HD2(X) Bullet	HB75HD2(X) Bullet
Electrical		
Input Voltage	12 V DC ±10%	
Power Consumption	4.5 W max (IR LEDs on)	5.0 W max (IR LEDs on)
Mechanical		
Dimensions	7.02 × 2.76 in. (178.4 × 70.0 mm)	8.39 × 3.56 in. (213.0 × 90.4 mm)
Weight	1.1 lb (0.5 kg)	1.21 lb (0.55 kg)
Construction	Housing: Die-cast aluminum Finish: Light gray powder coating	
Connectors	Video output: BNC connector Power input: 2.1 mm plug	
Environmental		
Temperature	Operating: –22°F to 140°F (–30°C to 60°C) Storage: –40°F to 158°F (–40°C to 70°C)	
Relative Humidity	10% to 100%, condensing	
IP Rating	IP66	
Regulatory		
Emissions	FCC, Part 15B, Class B, EN 55022	
Immunity	EN 50130-4	
RoHS	EN 50581	
System Compatibility		
HRHM	H.264 4-Ch 1080p HQA Embedded DVR	
HRHH	H.264 4/8/16-Ch 1080p HQA Embedded DVR	
Recommended Accessories		
Power Supply		
HPT12DC500	12 V DC / 500 mA Plug-in Regulated 2.1 mm Coaxial Plug UL Listed/CSA Certified	
Mounts		
Junction Box	HQA-BB1	HBS2-BB
Pole Mount Adapter	HQA-PM	
Corner Mount Adapter	HB34S2-CM	

8.39" (213.0 mm) 3.56" (90.4 mm)

7.02" (178.4 mm) 2.76" (70.0 mm)

Ordering	
HB74HD2	TDN Indoor/Outdoor IR Bullet Camera, 1/3" 2 MP CMOS, 1080p, 30 fps, 3.6 mm Fixed Lens, 24 IR LEDs, 12 V DC, NTSC
HB74HD2X	TDN Indoor/Outdoor IR Bullet Camera, 1/3" 2 MP CMOS, 1080p, 25 fps, 3.6 mm Fixed Lens, 24 IR LEDs, 12 V DC, PAL
HB75HD2	TDN Indoor/Outdoor IR Bullet Camera, 1/2.8" 2.4 MP CMOS, 1080p, 30 fps, 2.7–12 mm VFMI Lens, 24 IR LEDs, 12 V DC, NTSC
HB75HD2X	TDN Indoor/Outdoor IR Bullet Camera, 1/2.8" 2.4 MP CMOS, 1080p, 25 fps, 2.7–12 mm VFMI Lens, 24 IR LEDs, 12 V DC, PAL

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

For more information:

www.honeywell.com/security

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