1080p TDN IR Ball Camera

HD30HD2/HD31HD2

Supercharge your analog security system with Honeywell's HQA technology for high definition 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 image with a 1/2.7" 2.1 megapixel sensor
- Long distance transmission over coaxial cable with low attenuation and latency—up to 984 ft (300 m) using RG-59/U
- True Day/Night provides vivid color images by day and clear black-and-white images at night with ICR
- Excellent low-light performance with 3D noise reduction
- True Wide Dynamic Range (120 dB)

HD30HD2

Flexible Surveillance Solution

- 3.6 mm fixed lens (HD30HD2) or 2.7–12 mm motorized focus/zoom lens (HD31HD2)
- IR LEDs provide up to 100 ft (30 m) or 200 ft (60 m) of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Smart IR technology provides even distribution of IR
- Weatherproof (IP66) camera housing
- −22°F to 140°F (−30°C to 60°C) working temperature
- Plug-and-play compatible with Honeywell 4/8/16-channel Performance Series HQA DVRs

Easy to Install and Use

- 12 VDC power input
- Uses existing BNC cabling—no rewiring required
- Remote configuration through web client or from the DVR

HD31HD2

These flexible, fully featured cameras are ideal for a wide range of surveillance applications, providing excellent picture quality at an affordable price.

FEATURES AND BENEFITS

- 1/2.7" 2.1 MP imager
- 3.6 mm fixed or 2.7–12 mm MFZ lens
- True day/night (IR-cut filter)

- True WDR (120 dB)
- Low-light performance down to 0.03 lux (color) or 0 lux with IR LEDs on

- Up to 100 ft (30 m) or 200 ft (60 m) of IR illumination, depending on scene reflectance
- HQA/CVBS video output

- Transmission distances up to 984 ft (300 m)
- 12 VDC power input
- IP66-rated housing

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SPECIFICATIONS

OPERATIONAL	
IMAGE SENSOR	1/2.7" 2.1 MP CMOS
NUMBER OF PIXELS (H×V)	1928×1088
ELECTRONIC SHUTTER SPEED	1/3–300 000 s
MINIMUM ILLUMINATION	**HD30HD2**: 0.03 lux @ F2.0, 0 lux (IR LEDs on) **HD31HD2**: 0.03 lux @ F1.4, 0 lux (IR LEDs on)
S/N RATIO	50 dB or more
RESOLUTION	25/30/50/60 fps @ 720p; 25/30 fps @ 1080p
VIDEO OUTPUT	1-channel HQA BNC cable; 1-channel CVBS BNC cable
IR DISTANCE	**HD30HD2**: Up to 100 ft (30 m) **HD31HD2**: Up to 200 ft (60 m)
DAY/NIGHT	Auto (ICR)/Color/BW
BLC	120 dB True WDR
NOISE REDUCTION	2D/3D
LENS	**HD30HD2**: 3.6 mm, Fixed, F2.0 **HD31HD2**: 2.7–12 mm MFZ, F1.4
HORIZONTAL ANGLE OF VIEW	**HD30HD2**: 90° **HD31HD2**: 99°–37°
MOUNT TYPE	**HD30HD2:** M12 **HD31HD2:** Φ14

ELECTRICAL	
POWER SUPPLY	12 VDC ±20%
POWER CONSUMPTION	**HD30HD2**: 4 W max. **HD31HD2**: 10 W max.

MECHANICAL	
DIMENSIONS	**HD30HD2**: 3.7 × 3.13 in. (94.0 × 79.5 mm) **HD31HD2**: 4.8 × 4.0 in. (122.0 × 102.0 mm)
WEIGHT	**HD30HD2**: 0.73 lb (0.33 kg) **HD31HD2**: 1.21 lb (0.55 kg)
CONSTRUCTION	Die-cast aluminum housing
COLOR	**HD30HD2**: RAL 9003 (White) **HD31HD2**: RAL 7022 (Gray)

ENVIRONMENTAL	
TEMPERATURE	−22ºF to 140ºF (−30ºC to 60ºC)
RELATIVE HUMIDITY	0–95%, non-condensing
INGRESS PROTECTION	IP66

REGULATORY	
EMISSIONS	FCC Part 15, CE (EN 55032)
IMMUNITY	CE (EN 50130-4)

MOUNTS	
JUNCTION BOX	**HD30HD2**: HQA-BB1 **HD31HD2**: HQA-BB2, HEJB, HBS2-BB
WALL MOUNT	**HD30HD2**: HQA-WK2 **HD31HD2**: HQA-WK
POLE MOUNT	HQA-PM, HQA-PM2
CORNER MOUNT	HB34S2-CM

DIMENSIONS

HD30HD2

3.7" (94.0 mm)

3.13" (79.5 mm)

HD31HD2

4.8" (122.0 mm)

4.0" (102.0 mm)
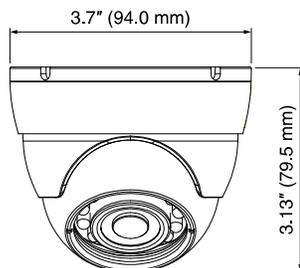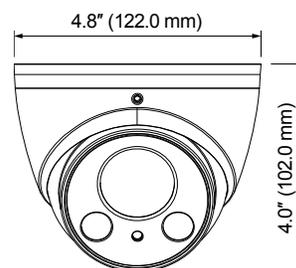
ORDERING

HD30HD2	TDN IR Ball Camera, 1/2.7" CMOS, 1080p, 3.6 mm Fixed, 12 IR LEDs, 12 VDC
HD31HD2	TDN IR Ball Camera, 1/2.7" CMOS, 1080p, 2.7–12 mm MFZ, 2 High Power IR LEDs, 12 VDC

For more information

www.honeywell.com/security

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

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