

Outdoor IR Dome WDR Camera (720TVL sensor)

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Advantage Line

These Wide Dynamic Range (WDR) outdoor IR domes are compact, stylish surveillance cameras that offer excellent resolution in variable lighting conditions. The high performance 960H 1/3-inch Double Scan (DS) CCD sensor provides a resolution of 720TVL. The WDR function ensures the best image performance under difficult (high contrast) lighting conditions. The water resistant (IP66 rated) and vandal resistant (IK8 rated) housing ensures reliable video surveillance in a variety of indoor and outdoor applications. This integrated IR camera has 18 on-board IR LEDs providing 20 meters of night vision. The camera is easy to install and can be adjusted around 3 axes.

Features

- ▶ Ultra high resolution 960H (1/3") DS sensor
- ▶ True Wide Dynamic Range (WDR)
- ▶ Digital noise reduction
- ▶ Integrated IR LEDs for 20 m of night vision
- ▶ Easy installation with 3-axis adjustment

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Technical specifications

| Technical specifications | |
|-------------------------------------|---|
| System | PAL or NTSC |
| Effective pixels (H x V) | 976 x 582 (PAL) 976 x 494 (NTSC) |
| Image Sensor | 960H, 1/3" DS CCD, sensor resolution 720TVL |
| Video Output | Composite: 1 Vpp, 75 Ohm |
| Sync. System | Internal sync., Line-lock |
| S/N Ratio (AGC off) | 50 dB min. |
| Actual resolution | 650TVL |
| Sensitivity (F1.2, 50IRE, AGC max.) | Color: 0.15 lx (DSS 0.0005 lx) B/W (with IR) 0.0 lx |
| Electronic shutter | 1/50 – 1/10,000 (PAL) 1/60 – 1/10,000 (NTSC) |
| Digital Slow Shutter (DSS) | Off, 2x to 512x |
| WDR | Off/On (54 dB) |
| DNR | Off, 2DNR, 3DNR |
| White Balance | ATW, Push, User1, User2, Anti CR, Manual, Push lock |
| Light compensation | OFF/BLC/HLC |
| AGC | 0 to 20 |
| Day/Night | IREd, Auto, Color, B/W |
| IREd (Infra-Red Emitting Diodes) | 18 on-board IR LEDs |
| Digital zoom | Off, 2x, 3x, 4x, 6x, 8x, 16x |
| Digital Image Stabilizer (DIS) | On, Off |
| Burst | On, Off |
| Motion detection | On, Off (4 programmable zones) |
| Privacy | On, Off (15 programmable zones) |
| Mirror | Off, H-flip, V-flip, HV-flip |
| Sharpness | 0 - 15 |
| Gamma | 0.38, 0.42, 0.45, 0.5, 0.55, 0.63, 0.71, 0.83 |
| OSD language | English (16 languages) |
| Lens type | Varifocal DC Iris f=2.8 to 10 mm |
| Dimensions (Ø x H) | 139 mm x 102 mm |
| Weight | 616 g (heater version: 630 g) |
| Supply Voltage | 24 VAC (±10%) 12 VDC (±10%) |
| Power Consumption | 6 W max. / 0.5 A (no heater) 15.6 W max. / 0.8 A (with heater – H version) |
| Operating Temperature | -10 °C to +50 °C (14 °F to +122 °F) (no heater) -30 °C to +50 °C (-22 °F to +122 °F) (with heater – H version) |
| Storage Temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Storage Humidity | 20% to 90% RH |

| Certifications and approvals | |
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| Region | Certification |
| USA | UL Bosch UL online certification |
| Canada | ULC Bosch UL online certification |
| Europe | CE |
| Approval standards | |
| | FCC Part 15 subpart B, Class A |
| | UL 60065, 7th Edition. 2007-12-11 |
| | CAN/CSA-C22.2 No. 60065-03, 1st Edition, 2006-04+A1:2006 |
| | EN 55022:2006+A1:2007, Class A |
| | EN50130-4:1995+A1:1998+A2:2003 |
| | LVD 2006/95/EC: |
| | EN60950-1:2006 + A11:2009 + A1:2010 + A12:2011 |
| | IEC 60950-1/A1:2009 |
| | C-Tick |
| Environmental standards | |
| IP Rating | IP66 (Water resistant) |
| IK Rating | IK08 (Vandal proof) |
| Ordering information | |
| VDI-244 Outdoor IR Dome WDR Camera (NTSC) | VDI-244V03-2 |
| VDI-244 Outdoor IR Dome WDR Camera (PAL) | VDI-244V03-1 |
| VDI-244 Outdoor IR Dome WDR Camera (NTSC) Heater | VDI-244V03-2H |
| VDI-244 Outdoor IR Dome WDR Camera (PAL) Heater | VDI-244V03-1H |
| VDI-244 Outdoor IR Dome WDR Camera (PAL) China | VDI-244V03-1C |
| Accessories | |
| Indoor Wall Mount | VDA-WMT-AIDOME |
| Indoor Pipe Mount | VDA-PMT-AIDOME |
| Outdoor Wall Mount | VDA-WMT-AODOME |
| Outdoor Pipe Mount | VDA-PMT-AODOME |
| LTC 9213/01 Pole Mount Adapter | LTC 9213/01 |

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