

AUTODOME 5000 PTZ Camera (720TVL Sensor)

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Invented for life



- ▶ True day/night PTZ dome camera with 432x zoom (36x extended zoom, 12x digital zoom)
- ▶ Ultra high resolution up to 720TVL (960H with WDR)
- ▶ Vandal-resistant housing
- ▶ Privacy masking, image enhancement, motion detection and Wide Dynamic Range
- ▶ Indoor and outdoor models available for a wide range of applications

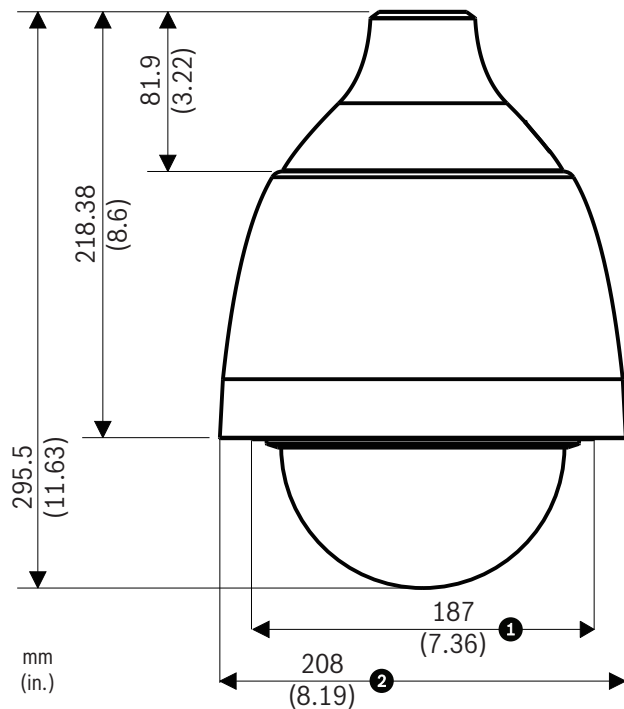
The AUTODOME 5000 Series day/night PTZ camera is based on a high-resolution 960H sensor that is capable of delivering a maximum resolution of 720TVL. The Wide Dynamic Range of the sensor allows the camera to capture detailed images even in challenging high-contrast scenes.

The camera provides variable pan/tilt speeds ranging from a fast patrol of 360° per second to a slow ramble of 5° per second with 0.225° pan/tilt accuracy. The 360° endless rotation and 0° to 180° tilt travel help to track an object passing directly beneath the camera. The AUTODOME 5000 features an RS-485 port, compatible with the Bosch LTC 5136 controller and the MIC-BP3 Biphase Converter for quick setup and control. The camera also supports the OSRD and the Pelco P/D protocols for easy integration with existing surveillance systems.

Certifications and approvals

| | |
|-------------------------------------|---|
| Electromagnetic Compatibility (EMC) | Complies with FCC part 15, ICES-003, EN 55022:1998, EN 50130-4:1995, EN61000-3-2:2000 and EN 61000-3-3:1995 |
| Safety | EN60950-1:2006, +A11:2009, A1:2010, +A12:2011 / UL 60950-1 |
| Ingress Protection Rating | IP66 |

Installation/configuration notes



AUTODOME 5000 Dimensions

- 1 Diameter without sunshield (indoor models)
- 2 Diameter with sunshield (outdoor models)

Technical specifications

Camera

| | |
|------------------------------------|---|
| System | PAL or NTSC |
| Image Sensor | 960H, 1/4-in. Double Scan CCD, 720TVL sensor resolution |
| Effective Pixels (HxV) | Approx. 570,000; 976 x 582 (PAL) Approx. 480,000; 976 x 494 (NTSC) |
| Horizontal Resolution | 720TVL (960H with WDR capability) |
| Lens | 3.43 mm – 120 mm, F1.6~F4.5 |
| Focus | Constant, Manual, Spot |
| Iris | Auto, Manual |
| Optical Zoom Field of View (DxHxV) | Wide: 72.3° x 57.8° x 43.4° Tele: 2.13° x 1.70° x 1.28° |
| Gain Control | Auto, Manual |
| Digital Zoom | 12x |
| Sensitivity (typical) | 30 IRE |
| • Day mode | 0.1 lux, under F1.6 |

| | |
|--------------------------------|------------------------------------|
| • Night mode (black and white) | 0.01 lux, under F1.6 |
| Electronic Shutter Speed | |
| • PAL | 1/50 to 1/10000 second |
| • NTSC | 1/60 to 1/10000 second |
| Wide Dynamic Range (WDR) | 60 dB |
| Signal-to-Noise Ratio | >50 dB (with AGC off) |
| White Balance | Auto, Manual, Indoor, Outdoor, ATW |
| Video output | 1.0 Vp-p / 75Ω, BNC |

Mechanical

| | |
|--------------------|---------------------------------|
| Pan Range | 360° continuous |
| Tilt Range | 0° to 180° |
| Manual Speed | 0.5° to 90° /second |
| Pre-position Speed | 5° to 360° /second |
| Preset Accuracy | 0.225° |
| Flip | Image: 180° Mechanical : 90° |

Electrical

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|----------------------------|-----------------------|
| Input Voltage | 24 VAC, 50/60 Hz |
| Power Consumption, typical | |
| • Indoor Models | 20 W (without heater) |
| • Outdoor Models | 50 W (with heater) |

Miscellaneous

| | |
|-------------------------|------------------------------------|
| Privacy Masking | 20 individually-configurable masks |
| DNR | 2 DNR / 3 DNR |
| AGC Control | Auto, Manual |
| Backlight Compensation | On, Off |
| Proportional Pan / Tilt | On, Off |
| Image Enhancement | Zoom, Stabilize, Off |
| Night Mode | On, Off, Auto |
| Auto SensUp Max | 2x to 60x or Off |
| Prepositions | 99 |
| Tours | 8 |
| AutoPan | 4 |
| Preset Tours | 8 |
| Camera Setup / Control | RS-485 |

| | |
|--------------------------|---|
| Communications Protocols | Bosch OSD, Pelco D/P |
| Supported Languages | English, Dutch, French, German, Italian, Polish, Portuguese, Russian, Spanish, Simplified Chinese |

Alarm Connections

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|---------|--|
| Inputs | Four (4): 5V 10 kΩ Pull Up |
| Outputs | Two (2): Relay output, max. 2 A, 30 VDC / 0.5 A, 125 VAC |

Environmental

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|---------------------------|---|
| Ingress Protection Rating | IP66 |
| Operating Temperature | |
| • Indoor Models | 0°C to 50°C (32°F to 122°F) |
| • Outdoor Models | -40°C to +50°C (-40°F to 122°F) |
| Storage Temperature | -20°C to +70°C (-4°F to 158°F) |
| Humidity | 10% to 90% relative, non-condensing |
| Heater | Turns on at -7°C (19.4°F), Turns off at +3°C (37.4°F) |

Construction

| | |
|-----------------------|--|
| Dimensions (D x H) | |
| • With Sunshield | Φ 208 mm x 295.5 mm (8.19 in. x 11.63 in.) |
| • Without Sunshield | Φ 187 mm x 295.5 mm (7.36 in. x 11.63 in.) |
| Weight | 3.3 kg (8 lb) with sunshield |
| Construction Material | |
| • Housing | Die-cast aluminum |
| • Sunshield | Outdoor Grade Plastic |
| Standard Color | White (RAL 9003) |

Ordering information

AUTODOME 5000, 960H, 36x PTZ Camera PAL, Outdoor
Outdoor PAL PTZ camera with a clear rugged bubble
Order number **VEZ-513-EWCR**

AUTODOME 5000, 960H, 36x PTZ Camera NTSC, Outdoor
Outdoor NTSC PTZ camera with a clear rugged bubble
Order number **VEZ-523-EWCR**

AUTODOME 5000, 960H, 36x PTZ Camera PAL, Indoor
Indoor PAL PTZ camera with a clear rugged bubble
Order number **VEZ-513-IWCR**

AUTODOME 5000, 960H, 36x PTZ Camera NTSC, Indoor
Indoor NTSC PTZ camera with a clear rugged bubble
Order number **VEZ-523-IWCR**

AUTODOME 5000, 960H, 36x PTZ Camera PAL, Outdoor, Tinted Bubble
Outdoor PAL PTZ camera with a tinted rugged bubble
Order number **VEZ-513-EWTR**

AUTODOME 5000, 960H, 36x PTZ Camera NTSC, Outdoor, Tinted Bubble
Outdoor NTSC PTZ camera with a tinted rugged bubble
Order number **VEZ-523-EWTR**

AUTODOME 5000, 960H, 36x PTZ Camera PAL, Indoor, Tinted Bubble
Indoor PAL PTZ camera with a tinted rugged bubble
Order number **VEZ-513-IWTR**

AUTODOME 5000, 960H, 36x PTZ Camera NTSC, Indoor, Tinted Bubble
Indoor NTSC PTZ camera with a tinted rugged bubble
Order number **VEZ-523-IWTR**

Accessories

AUTODOME 5000 Wall Mount
Order number **VEZ-A5-WL**

AUTODOME 5000 Pipe Mount
Order number **VEZ-A5-PP**

AUTODOME 5000 Recessed Mount
Order number **VEZ-A5-IC**

AUTODOME 5000 Corner Mount Adapter
Use with the VEZ-A5-WL Wall Mount for indoor/outdoor corner applications
Order number **VDA-CMT-PTZDOME**

AUTODOME 5000 Pole Mount Adapter
Use with the VEZ-A5-WL Wall Mount for indoor/outdoor mast applications
Order number **VDA-POMT-PTZDOME**

MIC-BP3 Biphase Converter
Biphase converter for IR power supplies or non-IR power supplies without a free expansion slot available
Order number **MIC-BP3**

UPA-2450-60 Power Supply, 120 V, 60 Hz
Indoor, 120 VAC, 60 Hz In; 24 VAC, 50 VA Out
Order number **UPA-2450-60**

UPA-2450-50 Power Supply, 220 V, 50 Hz
Indoor, 220 VAC, 50 Hz In; 24 VAC, 50 VA Out
Order number **UPA-2450-50**

LTC 5136/51 AutoDome Controller
with 16 outputs for AutoDomes or for Allegiant Receiver/Drivers units, 230 VAC, 50/60 Hz
Order number **LTC 5136/51**

LTC 5136/61 AutoDome Controller

with 16 outputs for AutoDomes or for Allegiant Receiver/Drivers units, 110 VAC, 50/60 Hz
Order number **LTC 5136/61**

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