

# 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 rated to IK10
- ▶ Privacy masking, image enhancement, motion detection and Wide Dynamic Range
- ▶ Indoor and outdoor models available for a wide range of applications

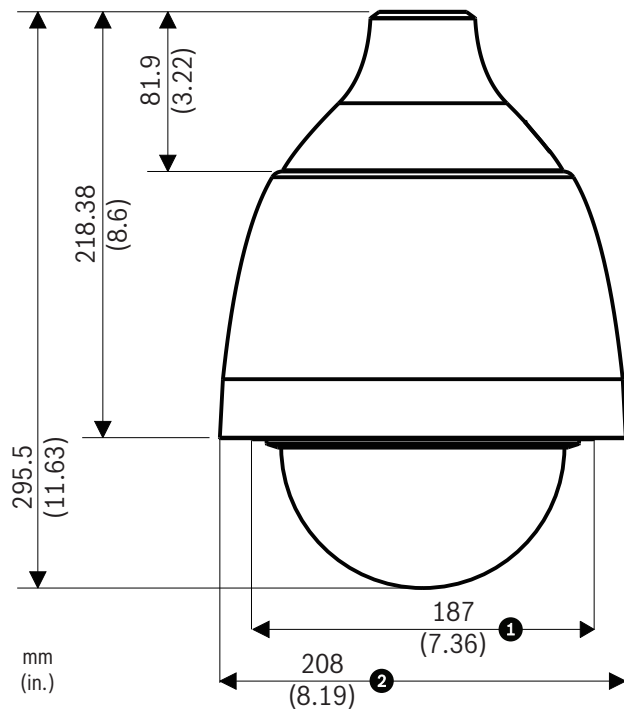
The AUTODOME 5000 Series day/night PTZ camera is based on a high-resolution 960H sensor that is capable of delivering a maximum resolution of 720TVL. The Wide Dynamic Range of the sensor allows the camera to capture detailed images even in challenging high-contrast scenes.

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 Biphasic 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
IK Code	IK10

**Installation/configuration notes**



AUTODOME 5000 Dimensions

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

**Parts included**

**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**

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 OSRD, Pelco D/P
Supported Languages	English, Dutch, French, German, Italian, Polish, Portuguese, Russian, Spanish, Simplified Chinese

### Alarm Connections

Inputs	Four (4): 5V 10 k $\Omega$ Pull Up
Outputs	Two (2): Relay output, max. 2 A, 30 VDC / 0.5 A, 125 VAC

### Environmental

Ingress Protection Rating	IP66
Operating Temperature	<ul style="list-style-type: none"> <li>Indoor Models: 0°C to 50°C (32°F to 122°F)</li> <li>Outdoor Models: -40°C to +50°C (-40°F to 122°F)</li> </ul>
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)	
<ul style="list-style-type: none"> <li>With Sunshield</li> </ul>	$\Phi$ 208 mm x 295.5 mm (8.19 in. x 11.63 in.)
<ul style="list-style-type: none"> <li>Without Sunshield</li> </ul>	$\Phi$ 187 mm x 295.5 mm (7.36 in. x 11.63 in.)
Weight	3.3 kg (8 lb) with sunshield
Construction Material	
<ul style="list-style-type: none"> <li>Housing</li> <li>Sunshield</li> </ul>	Die-cast aluminum 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

**UPA-2450-60 Power Supply, 120 V, 60 Hz**  
Indoor power supply for camera. 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 power supply for camera. 220 VAC, 50 Hz In; 24 VAC, 50 VA Out  
Order number **UPA-2450-50**

**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**

**LTC 5136/51 AUTODOME Controller**  
with 16 outputs for AUTODOME cameras 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 AUTODOME cameras or for Allegiant Receiver/Drivers units, 110 VAC, 50/60 Hz  
Order number **LTC 5136/61**

**VEZ-A5-WMB Wall Mount Bracket**  
Mount for installing an AUTODOME 5000 camera on a wall  
Order number **VEZ-A5-WMB**

**VEZ-A5-PP AUTODOME 5000 Pipe Mount**  
Mount for installing an AUTODOME 5000 camera onto a pipe.  
Order number **VEZ-A5-PP**

**AUTODOME 5000 Recessed Mount**

Order number **VEZ-A5-IC**

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**NDA-ADPTR-NPTMET NPT-Metric Adapter**

NPT-to-Metric Adapter (female-to-M33 male adapter) for use with NPT1.5 pipes with pipe mount (VEZ-A5-PP) and roof mount (VGA-ROOF-MOUNT).

Order number **NDA-ADPTR-NPTMET**

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**VDA-POMT-PTZDOME Pole Mount Adapter**

Pole mount adapter for use with the appropriate wall mount for indoor and outdoor applications.

Order number **VDA-POMT-PTZDOME**

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**VDA-CMT-PTZDOME Corner Mount Adapter**

Corner mount adapter for use with the appropriate wall mount for indoor or outdoor pole (mast) applications

Order number **VDA-CMT-PTZDOME**

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