

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

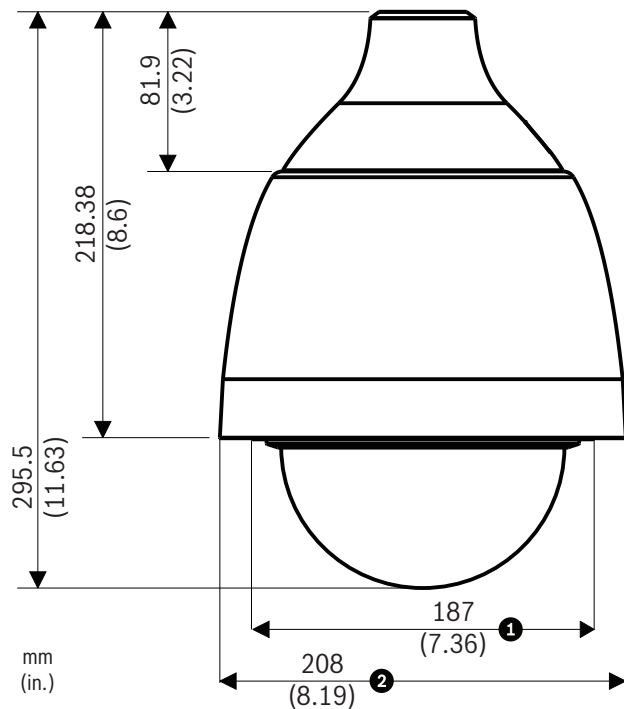
The AUTODOME 5000 Series day/night PTZ camera is based on a high-resolution 960H sensor that is capable of delivering a maximum resolution of 720TVL. The Wide Dynamic Range of the sensor allows the camera to capture detailed images even in challenging high-contrast scenes.

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

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 kΩ Pull Up
Outputs	Two (2): Relay output, max. 2 A, 30 VDC / 0.5 A, 125 VAC

Environmental

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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