

Outdoor Dome Cameras

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Advantage Line

The VDX-240 Outdoor Dome range comes in robust, conduit compatible, all-weather housings (IP66 rated) and provides high-resolution images (570TVL Sensor Resolution).

The color version provides crisp, clear images in applications with sufficient lighting. The day/night version switches to monochrome mode with a higher light sensitivity when there is insufficient lighting. For applications requiring extra lighting, the infrared version has 20 on-board IR LEDs providing 20 meters of night vision.

Features

- ▶ Excellent resolution (570 TVL sensor resolution)
- ▶ Three versions for all lighting environments
- ▶ Flexible viewing field
- ▶ Easy setup
- ▶ Secure all-weather installation

2 | Outdoor Dome Cameras

Technical specifications

Video	
CCD Camera	1/3-inch High Sensitivity CCD
Effective pixels (HxV)	752X582 (PAL) 768x494 (NTSC)
Horizontal Resolution	570 TVL Sensor Resolution
Electronics Iris	1/50 to 1/120,000 s (PAL) 1/60 to 1/120,000 s (NTSC)
Manual shutter	1/50 (1/60), 1/100 (1/120), 1/250, 1/500, 1/700, 1/1K, 1/1.6k, 1/2.5K, 1/5K, 1/7K 1/10K, 1/30K, 1/60K, 1/120K
Output Signal	1 VPP composite video, 75 ohm
Output connection	BNC connector
S/N Ratio	Greater than 50 dB
Gamma	0.35, 0.45 (default), 0.6, 0.75
Lens (VDC-240)	2.8 to 10.5 mm varifocal auto-iris
Lens (VDN-240)	2.8 to 10.5 mm varifocal auto-iris with mechanical D/N filter
Lens (VDI-240)	3.8 to 9.5 mm varifocal auto-iris with mechanical D/N filter
Sensitivity	0.05 lx (color), 0.005 lx (b/w), 0 lx (infrared on)
VDI-240	
LEDs	Intelligent 20-LED infrared array
Wavelength	850 nm
Mechanical	
Housing	Surface mount dome, vandal resistant
Gimbals	3D gimbal for easy installation
Construction	Robust aluminum
Finish	Off-white
Conduit Compatible	1/2-inch PT, top and side
Electrical	
Power Consumption	VDC-240: 3.6 W max. VDN-240: 3.6 W max. VDI-240: 6 W max. VDI-240 (with heater): 17.5 W max.
Voltage	12 VDC or 24 VAC
Power Supply	Not included
Environmental	
Operational Temp.	-10 °C to +50 °C (14 °F to +122 °F)
Operational Temp. (VDI-240 with heater)	-30 °C to +50 °C (-22 °F to +122 °F)
Storage Temp.	-20 °C to +60 °C (-4 °F to +140 °F)
Environment	IP66 certified
Certifications and approvals	
Region	Certification
Europe	CE
Standards	
	ANSI C63.4: 2009
	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
	EN55022:2006, Class A
	EN50130-4:1995+A1:1998+A2:2003
	LVD 2006/95/EC

EN60065:2002 + A1:2006 + A11:2008	
IP66, IEC 60529 (2001), IEC 60529 (2002)	
Installation/configuration notes	
<p>The drawing shows the top and side views of the Bosch VDI-240 dome camera. The top view is a circle with a diameter of 144 mm (5.67 inches). It features a central lens assembly labeled 'PT 1/2"'. Dimensions include a distance of 13.8 mm (0.54 inches) from the center to the top edge, and 51.7 mm (2.04 inches) from the center to the right edge. The distance from the center to the bottom edge is 51.7 mm (2.04 inches), and the distance from the center to the left edge is 13.9 mm (0.55 inches). The side view shows a dome shape with a diameter of 101.5 mm (4 inches) at the base. The height of the dome is 55 mm (2.17 inches), and the height of the mounting bracket is 35 mm (1.38 inches). The total height from the base to the top of the mounting bracket is 144 mm (5.67 inches). The Bosch logo is visible on the side of the mounting bracket. The diameter of the base is labeled as Ø100 (3.94 inches). Dimensions are given in mm (in).</p>	
Ordering information	
VDC-240V03-1 Outdoor Color Dome Camera, PAL	VDC-240V03-1
VDC-240V03-2 Outdoor Color Dome Camera, NTSC	VDC-240V03-2
VDN-240V03-1 Outdoor D/N Dome Camera, PAL	VDN-240V03-1
VDN-240V03-2 Outdoor D/N Dome Camera, NTSC	VDN-240V03-2
VDI-240V03-1 Outdoor IR D/N Dome Camera, PAL	VDI-240V03-1
VDI-240V03-2 Outdoor IR D/N Dome Camera, NTSC	VDI-240V03-2
VDI-240V03-1H Outdoor IR D/N Dome Camera, PAL, Heater	VDI-240V03-1H
VDI-240V03-2H Outdoor IR D/N Dome Camera, NTSC, Heater	VDI-240V03-2H

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