

Outdoor Dome WDR Camera (720TVL sensor)

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Advantage Line

These Wide Dynamic Range (WDR) outdoor 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. The Day/Night feature ensures the highest image quality possible at any time by automatically switching from color to monochrome. 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
- ▶ Easy installation with 3-axis adjustment
- ▶ 15 programmable privacy zones

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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 720 TVL
Video Output	Composite: 1 Vpp, 75 Ohm
Sync. System	Internal sync., Line-lock
S/N Ratio (AGC off)	50 dB min.
Actual resolution	650 TVL
Sensitivity (F1.2, 50IRE, AGC max.)	Color: 0.15 lx (DSS 0.0005 lx) B/W (with ICR) 0.05 lx (DSS 0.0002 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	Auto, Color, B/W
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 10.5 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	
Region	Certification
USA	UL Bosch UL online certification
Canada	ULC Bosch UL online certification
Europe	CE

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Approbation 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	
VDN-244 Outdoor Dome WDR Camera (NTSC)	VDN-244V03-2
VDN-244 Outdoor Dome WDR Camera (PAL)	VDN-244V03-1
VDN-244 Outdoor Dome WDR Camera (NTSC) Heater	VDN-244V03-2H
VDN-244 Outdoor Dome WDR Camera (PAL) Heater	VDN-244V03-1H
VDN-244 Outdoor Dome WDR Camera (PAL) China	VDN-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