

# Indoor Dome WDR Camera (650TVL)

www.boschsecurity.com



**BOSCH**  
Invented for life



Advantage Line

These Wide Dynamic Range (WDR) indoor domes are compact, stylish surveillance cameras that offer excellent resolution in variable lighting conditions. The high performance 960H 1/3-inch CCD provides a resolution of 650 TVL.

The camera is an ideal solution for demanding scene conditions. The Day/Night feature ensures the highest image quality possible at any time. Depending on the available light, the camera automatically switches from color to monochrome. The camera is easy to install and can be adjusted around 3 axes. Privacy zones and motion detection functions can be set up in the handy camera menu system.

## Features

- ▶ Ultra high resolution 960H (1/3") sensor
- ▶ True Wide Dynamic Range (WDR)
- ▶ Enhanced Digital Noise Reduction (3DNR)
- ▶ Easy installation with 3-axis adjustment
- ▶ 15 programmable privacy zones

## 2 | Indoor Dome WDR Camera (650TVL)

### 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" CCD, sensor resolution 720 TVL
Video Output	Composite: 1 Vpp, 75 Ohm
Sync. System	Internal sync., Line-lock
S/N Ratio (sharpness, AGC off)	50 dB min.
Actual resolution	650 TV Lines
Minimum Illumination (F1.2, 50IRE)	Color: 0.15 lx (DSS 0.0005 lx) B/W: 0.05 lx (DSS 0.0002 lx)
Manual shutter	1/50 – 1/10,000 (PAL) 1/60 – 1/10,000 (NTSC)
White Balance	ATW, Push, User1, User2, Anti CR, Manual, Push lock
DSS (Digital Slow Shutter)	OFF, X2 - X512
WDR	DWDR (36 dB), WDR (54 dB)
Digital noise reduction	3DNR, 2DNR, OFF
BLC/HLC	On, Off
AGC	0 to 20
Day/Night	Auto, Color, B/W
Digital zoom	Off, X2, X3, X4, X6, X8, X16
DIS (Digital Image stabilizer)	On, Off
Burst	On, Off
Motion detection	On, Off (4 programmable zones)
Privacy	On, Off (15 programmable zones)
Mirror	Off, V FLIP, H FLIP, HV FLIP
Sharpness	0 to 15
OSD language	English (16 Languages)
Gamma	0.38, 0.42, 0.45, 0.5, 0.55, 0.63, 0.71, 0.83
Lens type	Varifocal DC Iris f=2.8 to 10.5 mm
Dimensions (ØxH)	127 mm x 102 mm
Weight	280 g
Supply Voltage	24 VAC (±20%) 12 VDC (±10%)
Power Consumption	4.8 W max. / 0.4 A
Operating Temperature	-10 °C to +50 °C (14 °F to +122 °F)
Operating Humidity	30% to 90% RH
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage Humidity	20% to 90% RH

### Certifications and Approvals

#### 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

### Ordering Information

VDN-295 Indoor WDR D/N Dome (PAL)	VDN-295-10
VDN-295 Indoor WDR D/N Dome (NTSC)	VDN-295-20
VDN-295 Indoor WDR D/N Dome (PAL) China	VDN-295-10C

**Represented by:**

**Americas:**

Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
security.sales@us.bosch.com  
www.boschsecurity.us

**Europe, Middle East, Africa:**

Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Asia-Pacific:**

Robert Bosch (SEA) Pte Ltd, Security Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6258 5511  
Fax: +65 6571 2698  
apr.securitysystems@bosch.com  
www.boschsecurity.asia