Outdoor IR Dome WDR Camera (720TVL sensor)





These Wide Dynamic Range (WDR) outdoor IR 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. This integrated IR camera has 18 on-board IR LEDs providing 20 meters of night vision. 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
- ▶ Integrated IR LEDs for 20 m of night vision
- ► Easy installation with 3-axis adjustment

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Technical specifications

System	Technical specifications			
Effective pixels (Hx V)		PAL or NTSC		
976 x 494 (NTSC)				
Image Sensor	Lifective pixels (ITX V)			
Video Output Composite: 1 Vpp, 75 Ohm Sync. System Internal sync., Line-lock S/N Ratio (AGC off) 50 dB min. Sensitivity (F1.2, 50IRE, AGC max.) B/W (with IR) 0.0 lx Electronic shutter 1/50 - 1/10,000 (PAL) 1/60 - 1/10,000 (NTSC) 1/60 - 1/10,000 (NTSC) Digital Slow Shutter (DSS) 0ff, 2DNR, 3DNR WDR Off, 2DNR, 3DNR White Balance ATW, Push, User 1, User 2, Anti CR, Manual, Push lock Light compensation OFF/BLC/HLC AGC 0 to 20 Day/Night IRED, Auto, Color, B/W IRED (Infra-Red Emitting Diodes) 18 on-board IR LEDS 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-Hip, V-Hip, HV-Hip 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 mm Dimensions (Ø x H)	Imaga Canaar			
Sync. System Internal sync., Line-lock S/N Ratio (AGC off) 50 dB min. Sensitivity (F1.2, 50IRE, AGC max.) B/W (with IR) 0.0 lx Electronic shutter 1/50 − 1/10,000 (NTSC) Digital Slow Shutter (DSS) Off, 2x to 512x WDR 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 IRED, Auto, Color, B/W IRED (Infra-Red Emitting Diodes) 18 on-board IR LEDs Digital Image Stabilizer (DIS) On, Off Oist 2 On, Off Motion detection On, Off (4 programmable zones) Privacy On, Off (15 programmable zones) Mirror Off, Hijp, 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 mm Dimensions (Ø x H) 139 mm x 102 mm Weight 616 g (heater version: 630 g) Supply Voltage <td< td=""><td></td><td></td></td<>				
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DSS		1/60 - 1/10,000 (NTSC)		
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 IRED, Auto, Color, B/W IRED (Infra-Red Emitting Diodes) Digital zoom Off, 2x, 3x, 4x, 6x, 8x, 16x Digital Image Stabilizer (DIS) Burst 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 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%) 12 VDC (±10%) 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) +10 °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 USA UL Bosch UL online certification	Digital Slow Shutter	Off, 2x to 512x		
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 IRED, Auto, Color, B/W IRED (Infra-Red Emitting Diodes) Digital zoom Off, 2x, 3x, 4x, 6x, 8x, 16x Digital Image Stabilizer (DIS) 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 mm Dimensions (Ø x H) 139 mm x 102 mm Weight 616 g (heater version: 630 g) Supply Voltage 24 VAC (±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 (-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 USA UL Bosch UL online certification	(DSS)			
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AGC 0 to 20 Day/Night IRED, Auto, Color, B/W IRED (Infra-Red Emitting Diodes) 18 on-board IR LEDs 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 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	White Balance			
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Canada ULC Bosch UL online certification	Region	Certification		
5				
Europe CE	Europe	CE		

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 + A11:200 A12:2011	9 + A1:2010 +		
	IEC 60950-1/A1:2009			
	C-Tick			
Environmental standards				
IP Rating	IP66 (Water resistant)			
IK Rating	IK08 (Vandal proof)			
Ordering information				
VDI-244 Outdoor IR Dome WDR Camera (NTSC)		VDI-244V03-2		
VDI-244 Outdoor IR Dome WDR Camera (PAL)		VDI-244V03-1		
VDI-244 Outdoor IR Dome WDR Camera (NTSC) Heater		VDI-244V03-2H		
VDI-244 Outdoor IR Dome WDR Camera (PAL) Heater		VDI-244V03-1H		
VDI-244 Outdoor IR Dome WDR Camera (PAL) China		VDI-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 A	Adapter	LTC 9213/01		