

WZ20 Integrated IR Bullet Camera

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Advantage Line

The WZ20 bullet camera has 30 high-power infrared LEDs that provide high performance night vision images up to 45 m (150 ft). The 1/3-in CCD sensor delivers 540 TVL of color imaging with outstanding IR spectral response, and video images with low-smear, low-streaking and excellent anti-blooming characteristics.

The versatile 5 to 50 mm IR-corrected lens provides outstanding performance under both visible light and infrared illumination. The mechanical filter technology helps eliminate focus shift and infrared bleed.

Features

- ▶ High resolution (540 TVL)
- ▶ Vivid daytime color
- ▶ High performance night vision
- ▶ Versatile IR-corrected lens
- ▶ Outdoor operation (IP66)

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Technical specifications

Video	
Signal Processing	Digital signal processing (DSP)
CCD Camera	1/3 in CCD with Mechanical Filter technology
Filter	Dual-window mechanical type, IR Pass, IR-Cut
Resolution	High resolution 540 TVL
Effective Pixels (H x V)	PAL: 795 x 596, NTSC: 811 x 508
Night-Time Sensitivity	0 lux (infrared on)
Day-Night Switching	Photocell-controlled, automatic
Electronics Iris	1/50 to 1/100,000 s (PAL), 1/60 to 1/100,000 s (NTSC)
Output Signal	1 Vpp composite video, 75 ohm
S/N Ratio	Greater than 48 dB
Gamma	0.45
Lens	IR-corrected, varifocal 5 to 50 mm, DC auto-iris
Lens Control	Externally adjustable zoom, focus and auto-iris
LEDs	Even-distribution infrared array, photocell-control- led
Wavelength	850 nm
Number of LEDs	30
Electrical	
Voltage	12 VDC or 24 VAC
Power Draw	8 W max (infrared on)
Power Supply	Not included
Mechanical	
Construction	Robust aluminum extrusion
Finish	Anodized silver
Sunshield	Included as standard
Bracket	360° pan / 90° tilt bracket included as standard
Weight	1.7 kg (3.8 lb)
Dimensions	Ø 98 x 292 (L) mm, (3.0 x 11.5 in)
Environmental	
Operation Temperature Range	-30 °C to +55 °C, (-22 °F to +131 °F)
Environment	IP66 rated
Certifications and approvals	
Region	Certification
Europe	CE
Standards	
	ANSI C63.4: 2009
	FCC Parts 2 & 15, Class A Digital Devices
	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 (AS/NZS CISPR 22: 2006) (Class A)
	EN50130-4:1995+A1:1998+A2:2003
	EN61000-3-2:2006
	EN61000-3-3:2008

	LVD 2006/95/EC
	EN60065:2002 + A1:2006 + A11:2008
	IP66, IEC 60529 (2001), IEC 60529:(2002)
Ordering information	
VTI-220V05-2 WZ20 Integrated IR Bullet Camera, NTSC	VTI-220V05-2
VTI-220V05-1 WZ20 Integrated IR Bullet Camera, PAL	VTI-220V05-1
Accessories	
UPA-1220-60 Power Supply	UPA-1220-60
UPA-1220-50 Power Supply	UPA-1220-50
WZMB.001 Gang Box Adapter Plate	WZMB.001

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