BOSCH

Invented for life

WZ20 Integrated Day/Night High-res Bullet Camera

▸ **550 TVL high resolution 1/3 in LXR CCD**

▸ **Mechanical filter for vivid daytime color**

▸ **46 m (150 ft) of high performance night vision**

▸ **5 to 50 mm varifocal auto-iris IR-corrected lens**

▸ **IP66 with external zom and focus adjustments**

The WZ20 brings together high resolution LXR imaging, the latest advances in mechanical filter lensing technology and ruthlessly efficient dealer-friendly design. The camera delivers 45 m (150 ft) of high performance night vision.

The WZ20 incorporates 30 LEDs which are powerful enough to drive infrared to a maximum range of 91 m (300 ft). For the purposes of CCTV surveillance imaging, the resulting infrared illumination delivers high performance night vision imaging up to a distance of 45 m (150 ft).

The WZ20 uses proprietary LXR 1/3 in CCD technology, delivering 550 TVL images. LXR technology is field-proven for outstanding IR spectral response, as well as video images characterized by low-smear, low-streak and excellent anti-blooming characteristics.

Using a dual window IR-Cut and IR-Pass filter, the WZ20 delivers vivid color during day and outstanding sensitivity to infrared at night. Photocell-control increases energy efficiency and ensures accurate day-night switching for outstanding 24/7 performance.

The WZ20 also features a versatile 5 to 50 mm IR-corrected lens for outstanding performance under both visible light and infrared illumination. Combined with the mechanical filter technology, the WZ20 optical core virtually eliminates focus shift between color and infrared modes, allowing sharp focus during day or at night.

Focus and zoom are controlled externally by hand, requiring no tools and making the 5 to 50 mm IR-corrected lens effortless to adjust. A 90º pan / 360º tilt bracket and sunshield are both included as standard.

Functions

Applications

- Commercial
- Schools and colleges
- Industrial sites
- Residential
- Warehouses
- Parking lots
- Retail
- Hotels and nightclubs
- Transportation hubs
- Perimeters

Technical Specifications

Video

Signal Processing	Digital signal processing (DSP)
CCD Camera	1/3 in LXR CCD with Mechanical Filter technology
Filter	Dual-window mechanical type, IR Pass, IR-Cut
Resolution	High resolution 550 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-controlled
Wavelength	850 nm
Number of LEDs	30

Electrical

Voltage	12 to 24 VAC or VDC
Power Draw	8 W max (infrared on)
Power Supply	Not included

Mechanical

Construction	Robust aluminum extrusion
Finish	Anodized silver
Sunshield	Included as standard
Bracket	360º pan / 90º 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 ºC to +55 ºC, (-22 ºF to +131 ºF)
Environment	Designed to IP66

Ordering Information

WZ20NXV550-0 IDN High-res Bullet Camera IDN bullet cam, 550TVL, ExView, color switching to bw, mech filter, 30LEDs, silver, NTSC, 5-50 mm lens, PSU separate	**WZ20NXV550-0**
WZ20PXV550-0 IDN High-res Bullet Camera IDN bullet cam, 550TVL, ExView, color switching to bw, mech filter, 30LEDs, silver, PAL, 5-50 mm lens, PSU separate	**WZ20PXV550-0**

Accessories

EXPS.008 VAC Power Supply Power supply 120 VAC/ 24 VAC 1500 mA	**EXPS.008**
WZMB.001 Gang Box Adapter Plate Gang box adapter plate for WZ18 and WZ20	**WZMB.001**
PSU-230-24 Power Supply Power Supply, 230 VAC / 24 VAC, 50 W	**PSU230-24**