BOSCH

Invented for life

WZ18 Integrated Day/Night High-res Bullet Camera

- ▸ **550 TVL high resolution 1/3 in SuperHAD CCD**
- ▸ **Mechanical filter for vivid daytime color**
- ▸ **20 m (66 ft) of high performance night vision**
- ▸ **3 to 12 mm varifocal auto-iris lens**
- ▸ **IP66 with external zoom and focus adjustments**

The WZ18 brings together 550 TVL high resolution imaging, mechanical filter CCD technology and ruthlessly efficient dealer-friendly design. The camera delivers 20 m (66 ft) of high performance night vision.

The WZ18 incorporates 18 LEDs which are powerful enough to drive infrared to a maximum range of 30 m (100 ft). For the purposes of CCTV surveillance imaging, the resulting infrared illumination delivers high performance night vision images up to a distance of 20 m (65 ft).

The WZ18 uses a 1/3 in CCD image sensor, delivering 550 TVL images. Using a dual window IR-Cut and IR-Pass filter, the WZ18 delivers vivid color during day and exceptional performance to infrared at night. The mechanical filter technology helps eliminate focus shift and infrared bleed for effective 24/7 performance.

The WZ18 incorporates a 3 to 12 mm varifocal, auto-iris lens for versatile optical function. Focus and zoom are controlled externally by hand, requiring no tools for adjustments and making WZ18 a true Plug-and-Play camera.

Designed to IP66 environmental standards, WZ18 operates on either 12 VDC or 24 VAC. Photocell-controlled operation increases energy efficiency and ensures accurate day-night switching for outstanding 24/7 performance. A 360º pan / 90º 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

Technical Specifications

Video

Signal Processing	Digital signal processing (DSP)
CCD Camera	1/3 in SuperHAD 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	1Vpp composite video, 75 ohm
S/N Ratio	Greater than 48 dB
Gamma	0.45
Lens	Varifocal 3.3 to 12mm, 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	18

Electrical

Voltage	12 to 24 VDC or VAC
Power Draw	4.8 W max (IR lamp 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	0.85 kg (1.9 lb)
Dimensions	Ø 76 x 210 (L) mm, (3.0 x 8.3 in)

Environmental

Operational Temperature	-30 ºC to +55 ºC, (-22 ºF to +131 ºF)
Environmental	Designed to IP66

Ordering Information

WZ18NV312-0 IDN High-res Bullet Camera
IDN bullet cam, 550TVL, SuperHAD, color switching to bw, mech filter, 18LEDs, silver, NTSC, 3 to 12 mm lens, PSU separate — **WZ18NV312-0**

WZ18PV312-0 IDN High-res Bullet Camera
IDN bullet cam, 550TVL, SuperHAD, color switching to bw, mech filter, 18LEDs, silver, PAL, 3 to 12 mm lens, PSU separate — **WZ18PV312-0**

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**