



Key Features

- 550 TVL high resolution 1/3" LXR CCD
- LXR technology for excellent IR sensitivity, low smear, low streak and anti-blooming characteristics
- Mechanical filter technology for vivid daytime color and outstanding infrared night vision
- 30 LEDs for 150ft (~45m) of high performance active-infrared night vision in zero lux
- 5-50mm IR-corrected varifocal lens eliminates focus shift from color to infrared modes
- External zoom and focus adjustments
- Photocell-controlled "even-distribution" infrared illumination
- Compact, all-weather housing
- Plug and Play installation
- 12 VDC / 24 VAC
- Designed to for performance under extreme weather conditions, -30°C to +55°C (-22°F to +131°F)
- Sunshield included as standard
- 360° pan / 90° tilt cable-managed bracket included as standard
- Limited 1-year advance replacement guarantee included

Product Description

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 150ft (~45m) of high performance night vision, as tested by the Extreme CCTV engineers, industry leaders in active-infrared. WZ20 is backed by an advance replacement guarantee, ensuring dealers get maximum value for their dollar.

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

The WZ20 uses proprietary LXR 1/3" 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 5-50mm 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 5-50mm IR-corrected lens effortless to adjust. A 90° pan / 360° tilt bracket and sunshield are both included as standard.

The WZ20 is backed by a standard limited 1-Year advance replacement guarantee, available at WZ-Series distributors.

Product Image



Limited 1-Year Advance Replacement Guarantee

WZ20 offers 150ft (~45m) of mechanically filtered, high performance night vision through a 5-50mm IR-corrected lens w/ external zoom and focus controls. WZ20 comes with a standard limited 1-year advance replacement guarantee, making it the best value available to security dealers today.

Night Vision Performance Specifications

Infrared range ¹	300 ft (~91m)
High performance night vision range ²	150 ft (~45m)

¹Infrared range is the maximum distance which the infrared illumination will travel.

²Recommended maximum distance for high performance night vision

Applications

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

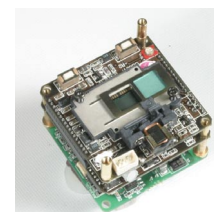


Specifications

Part Number	WZ20-NXV550-0
Signal Processing	Digital signal processing (DSP)
CCD Camera	1/3" LXR CCD with Mechanical Filter technology
Filter	Dual-window mechanical type, IR Pass IR-Cut
Resolution	High resolution 550 TVL
Effective Pixels	NTSC: 811 (H) x 508 (V) PAL: 795 (H) x 596 (V)
Night-Time Sensitivity	0 Lux (infrared on)
Day-Night Switching	Photocell-controlled, automatic
Electronics Iris	1/60 ~ 1/100,000 (NTSC) 1/50 ~ 1/100,000s (PAL)
Output Signal	1V P-P composite video, 75 Ohms
S/N Ratio	Greater than 48dB
Gamma	0.45
Lens	IR-corrected, varifocal 5-50mm, DC auto-iris
Lens Control	Externally adjustable zoom, focus and auto-iris
LEDs	Even-distribution infrared array, photocell-controlled
Wavelength	850nm
Number of LEDs	30
Voltage	12 to 24 VAC or VDC
Power Draw	8 W max (infrared on)
Construction	Robust aluminum extrusion
Finish	Anodized silver
Operational Temperature	-30°C to +55°C -22°F to +131°F
Sunshield	Included as standard
Bracketrv	360° pan / 90° tilt bracket included as standard
Power Supply	Not included
Weight	1.7kg 3.8lbs
Dimensions	Φ 98mm x 292mm (L) Φ 3.0" x 11.5" (L)
Environmental	Designed to IP66



External lens adjustments



Mechanical filter technology



5-50mm IR-corrected lens

Part Numbers

WZ20-NXV550-0 All-Weather Integrated Day-Night™ Camera
1/3" LXR CCD, 550TVL, Mechanical Filter
technology, varifocal 5-50mm IR-correct
lens, 30 LEDs, 850nm, anodized silver with
pan-tilt bracket and sunhood included, IP66.

Optional Accessories

EXPS.008 Power Supply, 120 VAC / 24 VAC
PSU 230-24 Power Supply, 230 VAC / 24 VAC
WZMB.001 Gang Box Adaptor Plate

WZMB.001 gang box
adaptor plate, shown here
with WZ18 IDN™ camera,
provides a perfect fit onto
circular gang boxes.

