

#### Key Features

- All-Weather sealed for extreme environments
- Integrated Day-Night (IDN™) design with 18 LEDs for 40ft of evenly-distributed active infrared Night Vision
- Dual window (IR-Cut and IR-Pass) mechanical filter models for exceptional daytime color, outstanding night-time IR
- Mechanical filter models eliminate focus shift and IR bleed
- Photocell-controlled operation for accurate switching
- 1/3" LXR CCD models for excellent IR sensitivity, low smear, low streak and excellent anti-blooming
- Injection molded ABS-Nylon resin enclosure
- Totally weatherproof for hot and cold environments
- Completely insulated internal chamber
- No requirement for internal heater or cooler
- Installer-friendly, easy-access camera compartment
- Varifocal 4-8mm auto-iris lens
- Extreme weather sealed, water resistant & IP66 compliant

#### Product Description

The EX14N series is an all-environment Integrated Day-Night™ (IDN™) camera for extreme weather applications. The simple, effective design allows performance in the most challenging of environmental conditions, including wash-down facilities, subzero temperatures and corrosive environments. The housing is compact, yet large enough for a 4-8mm varifocal lens, Extreme's mechanical filter imaging technology and integrated infrared illumination for 40ft Night Vision.

The EX14N series is available with Extreme's MFP technology, a photocell-controlled mechanical filtering technique that eliminates focus shift and IR bleed. A high-efficiency 18-LED spatially optimized infrared array contributes evenly-distributed infrared illumination. Photocell-control ensures that video and LED switching are accurate. The result is an excellent 24/7 camera, with brilliant color performance during the day and 40ft of Night Vision in totally dark environments.

The EX14N is also available with Extreme's proprietary LXR CCD technology for outstanding spectral response in both visible and near infrared regions. As with all LXR-type sensors, video signals are characterized by low-smear, low-streak and excellent anti-blooming characteristics.

Made of an injection-molded ABS/Nylon resin, the EX14N series is engineered specifically to withstand hot, cold and wet environments. A totally insulated inner chamber eliminates the requirement for internal heaters and blowers. Compliant to IP66, the EX14N series also features an easy-access camera compartment for easy camera/lens adjustments and installation.

Rugged, compact, power protected and extreme weather-sealed, the EX14N Series is an ideal IDN camera for extreme environments in day or dark conditions. The EX14N is available with a varifocal 4-8mm auto-iris lens and comes complete with a nylon wall bracket for quick and easy installation.

#### Product Images



#### Applications

- Wash down applications
- Food processing
- Outdoor environments
- Marine applications
- Artic conditions
- Acid / alkali environment
- Swimming pools
- Sewage Treatment plants
- Sub-zero weather applications
- Coastal environments
- Chemical facilities
- Ports and harbours
- Cruise ships
- Industrial freezers and refrigerators

Dealer / Distributor



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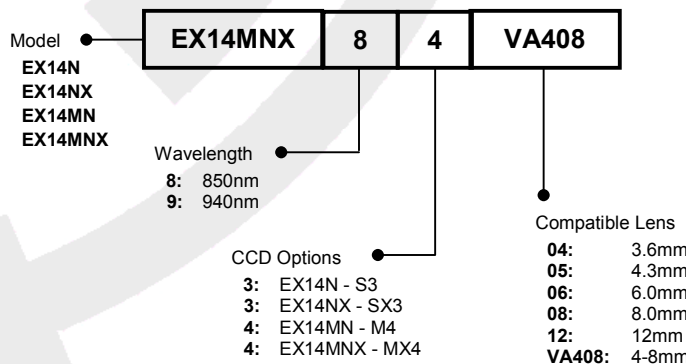


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### Technical Specifications

Model	EX14N	EX14NX	EX14MN	EX14MNX
CCD	S3 High-Res Monochrome	SX3 Night-Time Sensor	M4 with MFP	MX4 with MFP
Image Sensor	1/3" Sony SuperHAD CCD	1/3" LXR CCD	1/3" Interline SuperHAD CCD	1/3" LXR CCD
Effective Pixels (NTSC)	768 (H) x 494 (V)	510 (H) x 492 (V)	768 (H) x 494 (V)	768 (H) x 494 (V)
Effective Pixels (PAL)	752 (H) x 582 (V)	500 (H) x 582 (V)	752 (H) x 582 (V)	752 (H) x 582 (V)
Resolution	600 TVL	420 TVL	550 TVL color / 570 TVL mono	550 TVL color / 570 TVL mono
Daytime Sensitivity	0.05 Lux @ F1.4	0.01 Lux @ F2	0.06 Lux with F1.4 lens	0.02 Lux with F1.4 lens
Night-time Sensitivity	0.0 Lux - works in total darkness	0.0 Lux - works in total darkness	0 lux with infrared (B/W)	0 lux with infrared (B/W)
S/N Ratio	Greater than 48 dB	Greater than 50 dB	Greater than 48dB (AGC off)	Greater than 48dB (AGC off)
Video Output	1 Vp-p, 75 Ω			
Gamma	0.45			
Gain Control	AGC (with on/off switch)			
Electronics Iris	1/60 ~ 1/100,000 (NTSC) • 1/50 ~ 1/100,000 (PAL)			
LED Type	High-efficiency 850nm, even distribution IR			
Number of LEDs	18			
Voltage Supply	12 to 24 AC/DC			
Power Consumption	6.5 W			
Internal Heater / Cooler	Not Required			
Window	Flame resistant VO-Margard; 50mm   2.0"			
Temperature Range	Operation: -40°C to +50°C   -40°F to 122°F   Storage: -50°C to +70°C   -58°F to 158°F			
Wall Bracket	Included			
Color	Black			
External Dimensions	180mm (L) x 85mm (W) x 85mm (H)   7.1" (L) x 3.3" (W) x 3.3" (H)			
Weight	1.5lbs   0.7 Kg bracket included			
Environmental	IP66 compliant			

### Part Number



### Accessories (order separately)

**EXPS.008** Power supply

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