

## Key Features

- Conical No-Grip™ design for maximum safety
- Integrated Day-Night™ (IDN™) design with camera and IR
- Impossible to grip or hang from
- Optimised LED Array for 40ft of evenly-distributed Night Vision
- Total effectiveness in zero lux environments
- Photocell-controlled infrared illumination
- Dual-VRB design for increased electrical stability and resistance to voltage noise and electrostatic shock
- Pan-Tilt-Twist™ Ring for maximum ease of installation
- Vandal-resistant design and extreme weather sealed
- Conduit compatible for easy installation into electrical fittings
- Thermally and mechanically optimised fastening hardware for improved reliability and stability
- Video Patch Lead (VPL) for non-split signal confirmation on a portable LCD test monitor (requires Video Patch Connector)
- Performance in -58°F to +140°F
- CSA / UL certified for safe, legal installations
- CNC-milled anodised aluminum base for mechanical strength, attractive finish and high resistance to harsh outdoor elements
- 1/8" thick polycarbonate dome for maximum vandal protection

## Product Description

The EX49N/NX Conical No-Grip™ (CNG™) domes are designed to be virtually impossible to grip or hang from. In high-risk areas, such as hospitals or prisons, the Integrated Day-Night cameras help prevent at-risk persons from self-inflicted harm. The CNG™ is totally vandal-resistant and engineered for reliability and 24/7 night vision performance to 40ft.

The EX49N/NX domes use performance cameras with high infrared spectral response, including Extreme's LXR type CCDs for excellent IR sensitivity, low smear, low streak and excellent anti-blooming. Photocell-control of the infrared ensures enough light is present to deliver an outstanding picture on a 24/7 basis.

The dome is packed with installer-friendly features, including Video Patch Leads (VPL) for "in-situ" video review on portable test monitors. Proprietary Pan-Tilt-Twist gimbals allow versatile positioning of the CCD and lens and instant centering of the video image. Internal fastening hardware is thermally and mechanically optimised for enhanced reliability. EX49N/NX domes are conduit compatible for easy installation onto standard electrical fittings.

The EX49N/NX features base construction of CNC machined anodised aluminum, the same material used to protect satellites from the severe environments of outer space. Anodised aluminum is an incredibly durable material with high corrosion resistance and heat-resistant to over 1,200° F. Unlike other finishes, anodised aluminum has astounding chemical stability and will resist changes to color or appearance, even under heavy exposure to ultraviolet rays. The one-piece CNC fabrication process ensures the highest degree of precision and unyielding mechanical strength.

A polycarbonate dome of 3mm thickness is utilized to protect internal camera components. Resistant to impact, fire, heat & UV, the polycarbonate dome is guaranteed unbreakable in the face of even the most vicious attacks. The weather-sealed EX49N/NX is specified for performance in temperatures ranging from -50°C to +60°C (-58°F to +140°F) and certified for safe, legal installs.

## Product Image



## Applications

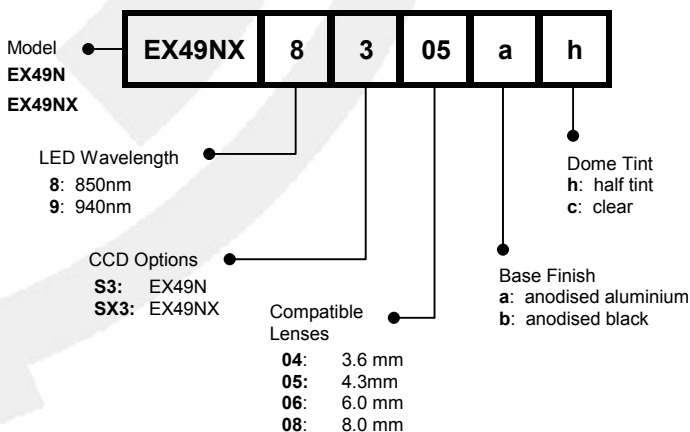
- Night-time surveillance
- Zero-Lux environments
- Retail, schools, hospitals
- Commercial sites
- Hotels and gated communities
- Transportation hubs
- Restaurants / bars
- Retail establishments
- Industrial parks
- Banks
- Prisons and correctional facilities
- Hospitals
- Casinos
- Corporate campuses
- Schools, colleges and universities
- Vandal-prone locations

## Certifications / Compliance

CSA Type 4X	Outdoor Weather Rating
CSA C22.2 No 0-M1991	General Electrical Requirements, Part II
CSA C22.2 No 1-M94	Audio, Video, and Similar Equipment
CSA C22.2 No 94-M91	Special Purpose Enclosures
UL Std No 50	Enclosures for Electrical Equipment
UL Std No 2044	Commercial CCTV Equipment Applicable Health Care Facility Rqmts

**Specifications** (Other Special Order Models available on request)

	EX49N High-Resolution Monochrome	EX49NX Enhanced Night Vision
Series Number	EX49N	EX49NX
CCD	1/3" Sony SuperHAD	1/3" LXR CCD
Effective Pixels	NTSC: 768 (H) x 494 (V) • PAL: 752 (H) x 582 (V)	NTSC: 768 (H) x 494 (V) • PAL: 752 (H) x 582 (V)
Resolution	600 TVL	600 TVL
Daytime Sensitivity	0.05 Lux @ F1.4	0.03 Lux @ F1.4
Night-time Sensitivity	0.0 Lux - works in total darkness	0.0 Lux - works in total darkness
S/N Ratio	Greater than 48 dB	Greater than 50 dB
Lens Options	3.6mm / 4.3mm / 6.0mm / 8.0mm	3.6mm / 4.3mm / 6.0mm / 8.0mm
Electronic Shutter	Up to 1/100,000 s	
Gamma	0.45	
Video Output	1 Vp-p, 75 Ohms	
Voltage Regulation	Dual VRB design for enhanced electronic stability	
Voltage Supply	12 VDC or 24 VAC	
Power Consumption	540 mA @ 12 VDC, 6.5 W (max)	
Operational Range	-50°C to +60°C (-58°F to +140°F)	
Humidity Range	Up to 85% relative humidity	
Base Construction	CNC Anodised Aluminium	
Overall Dimensions	∅4.6" (118 mm) / 3.68" (93.5 mm) H	
Dome Construction	4" Semi-Spherical Polycarbonate	
Dome Thickness	3mm (1/8")	
Gimbal	Pan-Tilt-Twist for easy installation	
Day-Night Switching	Photocell-controlled, automatic	
LEDs	High-efficiency, spatially optimised, 850nm or 940nm	
Number of LEDs	18	
Weight	1.5 lbs	

**Part Numbers** (Special Order Models available on request)

**Optional Accessories**

- EXPS.008** Power Supply Unit
- VPC** Video Patch Connector  
 (to connect local video out to test monitor)

 Specifications are subject to change without notice  
 Patent Pending - © Extreme CCTV Inc. 2005

EX49N-EX49NX\_TS\_050616

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