



EX40N Series Ultra Vandal-Proof Dome



- ▶ **Ultra vandal-resistant construction**
- ▶ **Virtually zero focus shift from color to IR modes**
- ▶ **12 m (40 ft) of evenly-distributed night vision**
- ▶ **Conduit compatible for easy installation**
- ▶ **Weather-sealed; designed to NEMA 4X**
- ▶ **Reliable performance in -40°C to +60°C (-40°F to +140°F) temperature range**
- ▶ **2.8-10 mm varifocal auto-iris lens**

The EX40N series brings the latest imaging technologies into the world of Integrated Day-Night surveillance for truly outstanding 24/7 effectiveness.

Using a dual window IR-Cut and IR-Pass filter, the EX40N delivers brilliant color during day and sensitivity to infrared at night. Both ensure virtually zero focus shift between color and infrared modes, allowing sharp focus under all lighting conditions.

The EX40N uses MX4 CCD technology for outstanding spectral response in the near infrared. The video signal is characterized by low-smear, low-streak and excellent anti-blooming characteristics for excellent active-IR night vision.

Integrated Day-Night design with spatially optimized LED geometry and optical lens shield deliver 12 meters (40 feet) of evenly-distributed Night Vision with virtually no internal reflection or halo effects. The varifocal, auto-iris lens not only allows easy installation, but also helps to prevent washed-out images under IR.

The EX40N uses a Video Patch Lead (VPL) for convenient installation. An optional Video Patch Connector (VPC) plugs into the VPL at the camera side. With this feature, installers can connect portable LCD monitors for instant video confirmation of camera positioning.

Vandal-resistant, all-weather ready and packed with practical enhancements such as a Pan-Tilt-Twist gimbal, conduit compatibility, and a 2.8-10 mm varifocal auto-iris lens, the EX40N is ideal for a wide variety of applications. Constructed from anodized aluminum, tested for performance in temperatures ranging from -40°C to +60°C (-40°F to +140°F).

Functions

Applications

- Night-time surveillance
- Zero-lux environments
- Commercial sites
- Hotels and casinos
- Transportation hubs
- Restaurants / bars
- Industrial parks
- Banks
- Prisons and correctional facilities
- Schools, colleges and universities
- Vandal-prone locations

Technical Specifications

Image Sensor	MX4 Hi-Resolution Extended Day/ Night CCD
Resolution	540 TVL color / 540 TVL mono
Effective Pixels (NTSC)	768(H) x 494(V)
Effective Pixels (PAL)	752(H) x 582(V)
Daytime Sensitivity	0.02 Lux with F1.4 lens
Night-time Sensitivity	0 lux with infrared (B/W)
S/N Ratio	Greater than 48dB (AGC off)
Filter	Dual-window IR-Pass / IR-Cut me- chanical type
Output Signal	1Vp-p, 75 Ohm
Gamma	0.45
Gain Control	AGC (with on/off switch)
Electronics Iris	1/60 to 1/100,000 (NTSC) • 1/50 to 1/100,000 (PAL)
Gimbal	Pan-Tilt-Twist for easy installation
LEDs	High-efficiency, spatially optimized, 850 nm or 940 nm
Number of LEDs	18
Day-Night Switching	Photocell-controlled, automatic
Voltage Regulation	Dual VRB design for enhanced elec- tronic stability
Voltage Supply	12-24 VAC (50/60 Hz) 12-24 VDC
Power Draw	8 W Max.
Dome Construction	Polycarbonate dome, semi-spheri- cal, 3mm thick
Base Construction	CNC Anodized Aluminum
Domes	Half-tint and clear included
Weight	610 g (1.3 lbs)
Operational Range	-40°C to +60°C (-40°F to 140°F)
Humidity Range	Up to 85% relative humidity
Overall Dimension	118 mm d (4.6 in) Diameter / 100 mm (3.92 in) H

Ordering Information

EX40MNX8V0310BH-N Ultra Vandal-Proof Dome	EX40MNX8V0310B H-N
Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, 850 nm IR, black base, NTSC	
EX40MNX8V0310BH-P Ultra Vandal-Proof Dome	EX40MNX8V0310B H-P
Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, 850 nm IR, black base, PAL	
EX40MNX9V0310BH-N Ultra Vandal-Proof Dome	EX40MNX9V0310B H-N
Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, 940 nm IR, black base, NTSC	
EX40MNX9V0310BH-P Ultra Vandal-Proof Dome	EX40MNX9V0310B H-P
Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, 940 nm IR, black base, PAL	
EX40MNX8V0310AH-N Ultra Vandal-proof Dome	EX40MNX8V0310A H-N
Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, 850 nm IR, clear aluminum base, NTSC	
EX40MNX8V0310AH-P Ultra Vandal-proof Dome	EX40MNX8V0310A H-P
Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, 850 nm IR, clear aluminum base, PAL	
EX40MNX9V0310AH-N Ultra Vandal-proof Dome	EX40MNX9V0310A H-N
Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, 940 nm IR, clear aluminum base, NTSC	
EX40MNX9V0310AH-P Ultra Vandal-proof Dome	EX40MNX9V0310A H-P
Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, 940 nm IR, clear aluminum base, PAL	

Accessories

EXMB.045S Dome Pendant Bracket	EXMB.045S
Dome Pendant Bracket for EX40(N) and EX46LED, clear aluminum	
EXMB.045B Dome Pendant Bracket	EXMB.045B
Dome Pendant Bracket for EX40(N) and EX46LED, black	
EX-VPC Video Patch Connector	EX-VPC
Video patch connector for EX40 and EX49	
EX-Dome-C	EX-Dome-C
Clear replacement dome for EX40/49	
EX-Dome-H	EX-Dome-H
Half-tint replacement dome for EX40/49	
UPA-2430-60 Power Supply	UPA-2430-60
120 VAC, 60 Hz, 24 VAC, 30 VA Out	

Ordering Information

UPA-2420-50 Power Supply
220 VAC, 50 Hz, 24 VAC, 20 VA Out

UPA-2420-50

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