



EX27N All-Weather Cameras



- ▶ **Compact, weather-sealed housing for performance in extreme environments**
- ▶ **MX4 Extended Day/Night CCD for excellent IR sensitivity, low smear, low streak and excellent antiblooming characteristics**
- ▶ **Easy access lens and camera OSD adjustments**
- ▶ **Integrated day/night design with 18 LEDs at 840 nm for zero lux effectiveness**
- ▶ **Optimized LED Array for 12 meters (40 feet) of evenly-distributed active infrared night vision**

The EX27N is an all-weather day/night camera that incorporates MFP Technology for exceptional day/night performance. Using mechanical filter technology, the EX27N delivers brilliant color during the day and outstanding IR sensitivity at night.

The EX27N CCD provides outstanding spectral response in both visible and near-infrared regions. The high-resolution sensor produces an amazing 540 TVL in monochrome and color. As with all EX27N sensors, the video signal is characterized by low-smear, low-streak and excellent anti-blooming characteristics.

An IR-Cut filter eliminates IR bleed during the day to ensure accurate color video. At night, a photocell-controlled IR-Pass filter optimizes night vision performance. Together with a high-efficiency 18-LED infrared illuminator, the EX27N delivers 40 feet of evenly-distributed night vision.

The EX27N features an all-weather housing, field-proven for successful application in extreme environments. The cast and extruded aluminum housing accommodates a 4-9 mm VF, auto-iris lens for extra installation versatility.

Rugged, compact, power protected and extreme weather-sealed, the EX27N is an ideal day/night camera for a wide variety of technical surveillance applications.

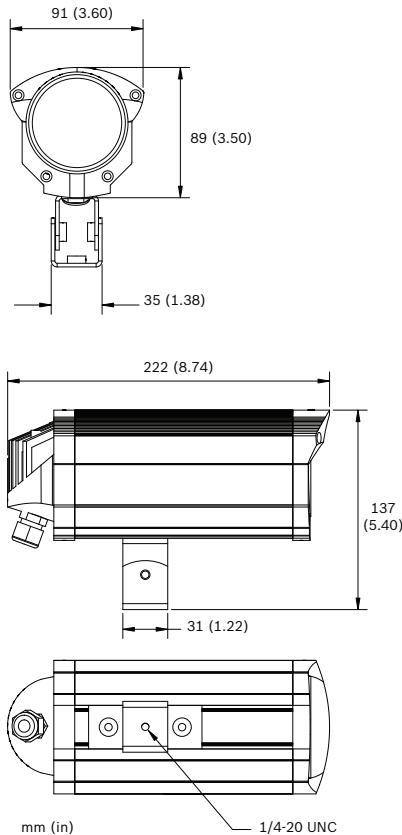
Functions

Applications

- Commercial security
- Critical infrastructure
- Homeland security
- Public area surveillance
- Industrial sites
- Ports and harbors
- Schools, colleges and universities
- Outdoor surveillance
- Airports
- Extreme weather environments

Installation/Configuration Notes

Dimensions



Technical Specifications

Video

Sensor	MX4 Hi-Res Extended Day/Night CCD
Filter	Dual-window mechanical type, IR Pass / IR Cut
Day/Night Switching	Photocell-controlled, automatic
Photocell	Automatic, sensitivity adjustable
Controls	OSD with joystick operation
Resolution	540 TVL color / 540 TVL mono-chrome
Effective Pixels NTSC (H x V)	768 x 494
Effective Pixels PAL (H x V)	752 x 582
Daytime Sensitivity	0.02 lx with F1.4 lens
Night-Time Sensitivity	0 lx with infrared (B/W)
S/N Ratio	Greater than 48 dB (AGC off)
Output Signal	1 Vpp composite video, 75 Ohm
Gamma	0.45
Gain Control	AGC

Electronics Iris	1/60 to 1/100,000 (NTSC) 1/50 to 1/100,000 (PAL)
LED Type	High-efficiency 850 nm or 940 nm, even distribution IR
Number of LEDs	18
Lens	4-9 mm IR Corrected

Mechanical

Color	Black
Construction	Robust aluminum casting / extrusion
Weight	1.4 kg (3.1 lbs)
Overall Dimension (H x W x D)	89 x 91 x 222 mm (3.5 x 3.6 x 8.7 in.)

Electrical

Voltage	12 to 24 AC/DC
Consumption	4.5 W or less
Connection	2.0 m (6.5 ft) composite cable for power and video

Environmental

Operational Range	-50°C to 50°C (-58°F to +122°F)
Environment	IP66/NEMA 4X compliant

Ordering Information

EX27MNX8V0409B-N All-Weather Camera All weather cam, 1/3 in. extended day/night, 4-9 mm lens, 850 nm IR, NTSC, black	EX27MNX8V0409B-N
EX27MNX8V0409B-P All-Weather Camera All weather cam, 1/3 in. extended day/night, 4-9 mm lens, 850 nm IR, PAL, black	EX27MNX8V0409B-P
EX27MNX9V0409B-N All-Weather Camera All weather cam, 1/3 in. extended day/night, 4-9 mm lens, 940 nm IR, NTSC, black	EX27MNX9V0409B-N
EX27MNX9V0409B-P All-Weather Camera All weather cam, 1/3 in. extended day/night, 4-9 mm lens, 940 nm IR, PAL, black	EX27MNX9V0409B-P

Accessories

MBE-27B Black Bracket Arm Mount Black mounting bracket for use with an EX27 Series All-Weather Camera	MBE-27B
MBE-15B Black Pole Mount Adapter Plate Black adapter plate used to attach an MBE-27 or MBE-28 along with an EXMB.020B Heavy Duty L Bracket to a pole.	MBE-15B
MBE-17B Black Wall Mount Adapter Plate Black adapter plate used to attach an MBE-27 or MBE-28 along with an EXMB.020B Heavy Duty L Bracket to a wall.	MBE-17B
EXSH.27B Sun Hood Sun Hood, Black	EXSH.27B
EXMB.020B L-bracket L-Bracket Only, Heavy Duty, black	EXMB.020B

Ordering Information

UPA-2430-60 Power Supply
120 VAC, 60 Hz, 24 VAC, 30 VA Out

UPA-2430-60

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

UPA-2420-50

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