

EX27N All-Weather Cameras

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Invented for life



- ▶ 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.

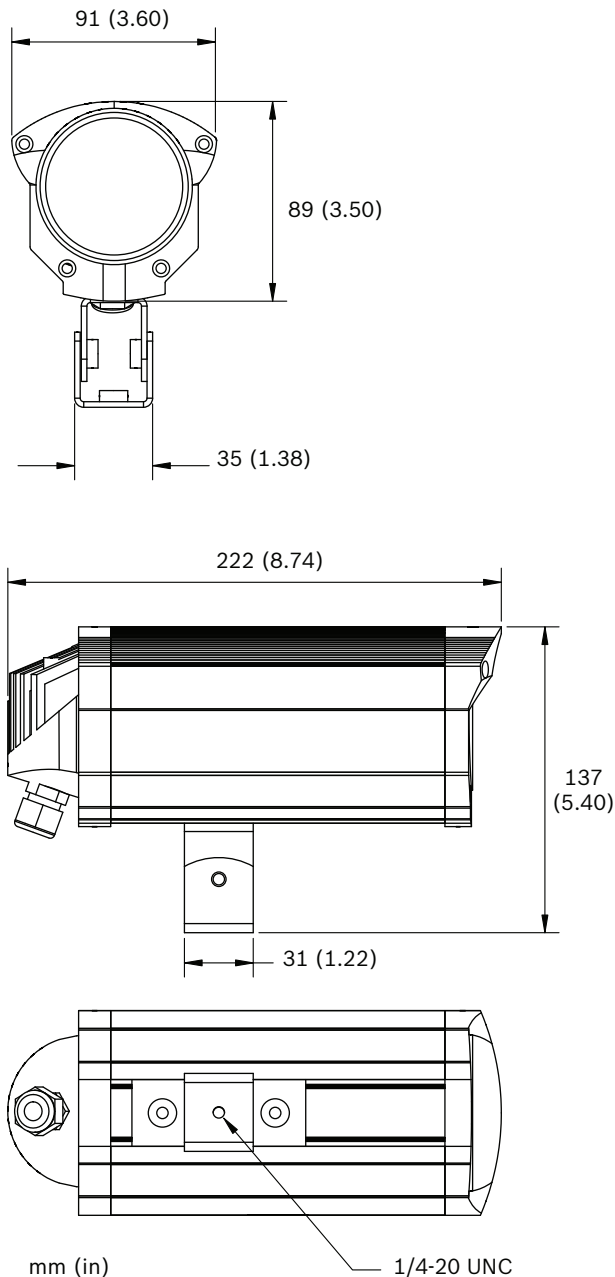
Functions

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 monochrome |
| 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

Order number **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

Order number **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
Order number **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
Order number **EX27MNX9V0409B-P**

Accessories

EXPS.008 VAC Power Supply

Power supply 120 VAC/ 24 VAC 1500 mA
Order number **EXPS.008**

EXSH.27B Sun Hood

Sun Hood, Black
Order number **EXSH.27B**

EXMB.015B Pole Mount Adapter Bracket

Pole Mount Adapter, black
Order number **EXMB.015B**

EXMB.023B Wall Bracket

Wall Bracket, Black
Order number **EXMB.023B**

EXMB.017B Wall Mount Adapter Bracket

Wall Mount Adapter, Black
Order number **EXMB.017B**

PSU-230-24 Power Supply

Power Supply, 230 VAC / 24 VAC, 50 W
Order number **PSU-230-24**

EXMB.020B L-bracket

L-Bracket Only, Heavy Duty, black
Order number **EXMB.020B**

MBE-27B Black Bracket Arm Mount

Black mounting bracket for use with an EX27 Series All-Weather Camera
Order number **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.
Order number **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.
Order number **MBE-17B**

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