

**BOSCH**
Invented for life

EX27 All-Weather Cameras



- ▶ **Compact, weather-sealed housing for performance in extreme environments**
- ▶ **MX4 extended day/night CCD for outstanding IR sensitivity, low smear, low streak and excellent anti-blooming characteristics**
- ▶ **Easy access lens and camera OSD adjustments**
- ▶ **Easily integrated with Extreme infrared illumination for effective 24/7 night vision**

The EX27 is an all-weather camera that includes all of the best features of a plug-and-play camera without compromise to CCD optics and lens quality. The EX27 takes advantage of the latest imaging technology, including high resolution extended CCDs with MFP Technology for exceptional day/night performance.

The EX27 features an all-weather housing constructed of cast and extruded aluminum, field-proven for successful application in extreme environments. The EX27 is compact yet can still accommodate varifocal auto-iris lenses for extra installation versatility and protection from overexposed images.

The integrated VRB cleans and conditions input power to allow 12 VDC or 24 VAC operation while providing protection from surges, transient spikes and other electrical irregularities.

The EX27 is rugged, compact, power protected, weather protected, easily installed and industrially designed. The sleek design sets a new benchmark for the general purpose surveillance camera. Combined with infrared, the EX27 offers outstanding 24/7 performance in day or dark conditions for critical surveillance.

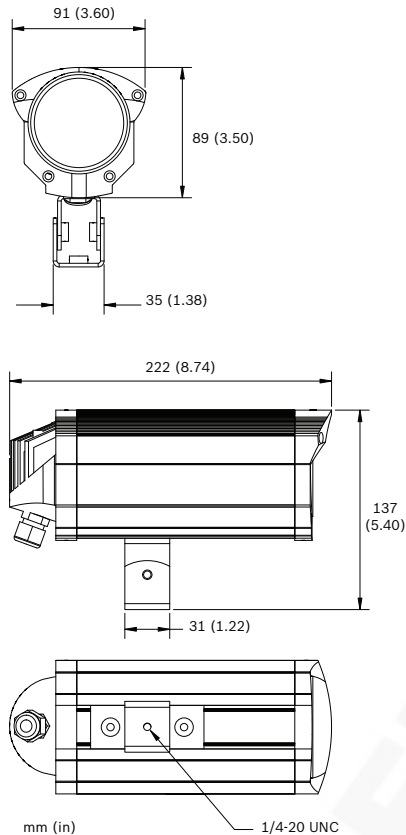
Functions

Applications

- Outdoor surveillance
- Extreme environment
- Ports and harbors
- Commercial campuses
- Critical infrastructure
- Homeland Security
- High-end residential
- School and universities

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 (HxV)	768 x 494
Effective Pixels PAL (HxV)	752 x 582
Sensitivity	0.02 lx with F1.4 lens 0 lx with infrared (B/W)
S/N Ratio	Greater than 48 dB (AGC off)
Output Signal	1 Vpp, 75 ohm
Gamma	0.45
Gain Control	AGC

Electronics Iris	1/60 to 1/100,000 (NTSC) 1/50 to 1/100,000 (PAL)
Lens	4-9 mm or 9-22 mm IR Corrected

Mechanical

Construction	Robust aluminum casting / extrusion
Window	3/16 inch polycarbonate
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.)
Finish	Powder coated black (white available)
Mount	Double U-mount supplied with 1/4-20

Electrical

Voltage	12 to 24 AC/DC
Consumption	4.5 W maximum
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

EX27MX4V0409B-N All-Weather Camera All weather cam, 1/3 in. extended day/night, 4-9 mm lens, NTSC, black	EX27MX4V0409B-N
EX27MX4V0409B-P All-Weather Camera All weather cam, 1/3 in. extended day/night, 4-9 mm lens, PAL black	EX27MX4V0409B-P
EX27MX4V0922B-N All-Weather Camera All weather cam, 1/3 in. extended day/night, 9-22 mm lens, NTSC, black	EX27MX4V0922B-N
EX27MX4V0922B-P All-Weather Camera All weather cam, 1/3 in. extended day/night, 9-22 mm lens, PAL black	EX27MX4V0922B-P
EX27MX4V0409W-N All-weather Camera All-weather cam, 1/3" extended day/night, 4-9 mm lens, NTSC, white	EX27MX4V0409W-N
EX27MX4V0409W-P All-weather Camera All-weather cam, 1/3" extended day/night, 4-9 mm lens, PAL, white	EX27MX4V0409W-P
EX27MX4V0922W-N All-weather Camera All-weather cam, 1/3" extended day/night, 9-22 mm lens, NTSC, white	EX27MX4V0922W-N
EX27MX4V0922W-P All-weather Camera All-weather cam, 1/3" extended day/night, 9-22 mm lens, PAL white	EX27MX4V0922W-P

Ordering Information

Accessories

EXMB.015B Pole Mount Adapter Bracket Pole Mount Adapter, black	EXMB.015B
EXMB.017B Wall Mount Adapter Bracket Wall Mount Adapter, Black	EXMB.017B
EXMB.020B L-bracket L-Bracket Only, Heavy Duty, black	EXMB.020B
EXMB.023B Wall Bracket Wall Bracket, Black	EXMB.023B
EXSH.27B Sun Hood Sun Hood, Black	EXSH.27B
EXSH.027W Sun Hood Sun Hood, White	EXSH.027W
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

SCHEMA ST4
PDF Preview

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