


**BOSCH**

Invented for life

## EX27 All-Weather Cameras



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 LXR-type CCDs and the innovative photocell-controlled mechanical filter cameras.

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 a 5-50 mm varifocal auto-iris lens 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.

- ▶ **Compact, weather-sealed housing for performance in extreme environments**
- ▶ **High performance extended day/night CCD for outstanding IR sensitivity, low smear, low streak and excellent anti-blooming characteristics**
- ▶ **12 VDC / 24 VAC operation, VRB power protected**
- ▶ **Easy access lens adjustments**
- ▶ **Easily integrated with Extreme infrared illumination for effective 24/7 night vision**

### Functions

#### Applications

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

### Technical Specifications

#### Video

Sensor	MX4 Hi-Res Extended Day/Night CCD
Resolution	540TVL color/540TVL monochrome
Filter	Dual-window mechanical type
Effective Pixels NTSC (HxV)	768 x 494
Effective Pixels PAL (HxV)	752 x 582
Sensitivity	0.02 Lux with F1.4 lens 0 lux with infrared (B/W)
S/N Ratio	Greater than 48 dB (AGC off)
Output Signal	1 Vpp, 75 ohm
Gamma	0.45

Sensor	MX4 Hi-Res Extended Day/Night CCD
Gain Control	AGC (with on/off switch)
Electronics Iris	1/60 to 1/100,000 (NTSC)
	1/50 to 1/100,000 (PAL)
<b>Mechanical</b>	
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 ¼-20
<b>Electrical</b>	
Voltage	12 to 24 AC/DC
Power Draw	190 mA x 2 = 380 mA at 12 VDC
Consumption	4.5 W maximum
<b>Environmental</b>	
Operational Range	-50°C to +50°C (58°F to 122°F)
Environment	IP66, NEMA 4 compliant

### Ordering Information

<b>EX27MX4V0409B-N All-Weather Camera</b> All weather cam, 1/3 in. extended day/night, 4-9 mm lens, NTSC, black	<b>EX27MX4V0409B-N</b>
<b>EX27MX4V0409B-P All-Weather Camera</b> All weather cam, 1/3 in. extended day/night, 4-9 mm lens, PAL black	<b>EX27MX4V0409B-P</b>
<b>EX27MX4V0922B-N All-Weather Camera</b> All weather cam, 1/3 in. extended day/night, 9-22 mm lens, NTSC, black	<b>EX27MX4V0922B-N</b>
<b>EX27MX4V0922B-P All-Weather Camera</b> All weather cam, 1/3 in. extended day/night, 9-22 mm lens, PAL black	<b>EX27MX4V0922B-P</b>
<b>EX27MX4V0550B-N All-Weather Camera</b> All weather cam, 1/3 in. extended day/night, 5-50 mm lens, NTSC, black	<b>EX27MX4V0550B-N</b>
<b>EX27MX4V0550B-P All-Weather Camera</b> All weather cam, 1/3 in. extended day/night, 5-50 mm lens, PAL black	<b>EX27MX4V0550B-P</b>

### Ordering Information

#### Accessories

<b>EXPS.008 VAC Power Supply</b> Power supply 120 VAC/ 24 VAC 1500 mA	<b>EXPS.008</b>
<b>EXMB.015B Pole Mount Adapter Bracket</b> Pole Mount Adapter, black	<b>EXMB.015B</b>
<b>EXMB.017B Wall Mount Adapter Bracket</b> Wall Mount Adapter, Black	<b>EXMB.017</b>
<b>EXMB.020B L-bracket</b> L-Bracket Only, Heavy Duty, black	<b>EXMB.020B</b>
<b>EXMB.023B Wall Bracket</b> Wall Bracket, Black	<b>EXMB.023B</b>
<b>PSU-230-24 Power Supply</b> Power Supply, 230 VAC / 24 VAC, 50 W	<b>PSU230-24</b>
<b>EXSH.27B Sun Hood</b> Sun Hood, Black	<b>EXSH.27B</b>
<b>EXSH.027W Sun Hood</b> Sun Hood, White	<b>EXSH.027W</b>

**Americas:**  
Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
security.sales@us.bosch.com  
www.boschsecurity.us

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: +31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Asia-Pacific:**  
Robert Bosch (SEA) Pte Ltd, Security Systems  
38C Jalan Pemimpin  
Singapore 577180  
Phone: +65 6319 3453  
Fax: +65 6319 3499  
apr.securitysystems@bosch.com  
www.boschsecurity.com

#### Represented by