



EX82 Infrared Imager



- ▶ Daytime color, active-infrared night vision
- ▶ No focus shift, IR bleed or other distortions
- ▶ Black Diamond infrared technology
- ▶ Detection-level imaging to 75 m (250 ft)
- ▶ Packed with installer-friendly enhancements

The EX82 is a dual-sensor, dual-lens, Infrared Imager that delivers outstanding color performance by day and award-winning night vision for critical 24/7 surveillance applications.

Building from its patented Integrated Day/Night design, the EX82 Infrared Imager combines performance optics and ground-breaking Black Diamond technology for High-Fidelity night vision imaging, the most advanced level of night vision performance available today.

Capable of fulfilling all four DCRI surveillance levels (Detection, Classification, Recognition and Identification), the EX82 provides effective 24/7 imaging for critical applications including transit, defense, critical infrastructure and port security.

Functions

Black Diamond High Fidelity Infrared Technology

- Award-winning Black Diamond technology eliminates hotspot foregrounds and under-exposed backgrounds
- Detection-level imaging at 75 m (246 ft)
- Effective 24/7 surveillance for critical applications

Patented Dual Sensor Integrated Day Night Design

- 550 TVL 1/3 in color SuperHAD CCD for outstanding daytime color
- 550 TVL 1/3 in LXR CCD for award-winning night vision

- Completely eliminates focus shift, IR bleed and other image distortions typical in conventional night vision cameras

Installer-Friendly Features

- Sliding optical chassis for fast, easy-access lens and CCD adjustments
- Captive screws
- 4 to 9 mm or 9 to 22 mm varifocal, auto-iris lenses
- NEMA4 weather-sealed housing
- Adjustable infrared intensity and photocell sensitivity
- Cable-managed wall bracket, pan-tilt adjustable

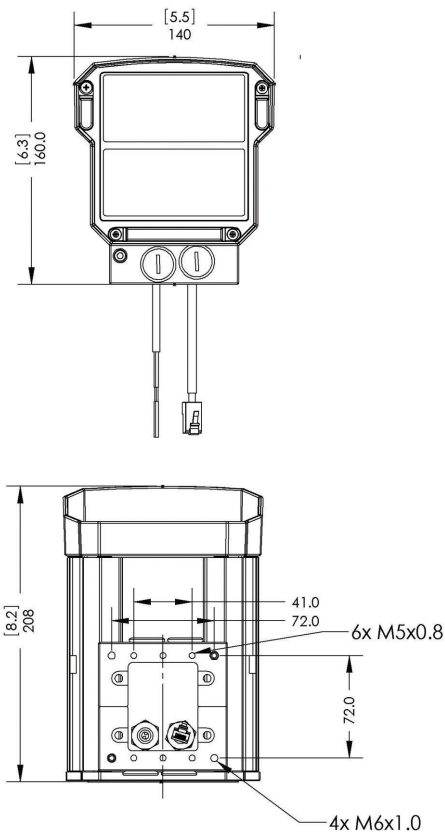
DCRI Performance

Our CCTV Infrared Imagers are tested for performance to DCRI surveillance levels. Conformance to these criteria ensure that our cameras deliver outstanding video at any one of the four levels of surveillance shown below, assuring security specifiers the broadest range of capability.

Parameters at 850 nm

Detection	75 m (250 ft)
Classification	60 m (200 ft)
Recognition	45 m (150 ft)
Identification	25 m (75 ft)

Installation/Configuration Notes



Technical Specifications

Video

	C7 High Resolution Color	SX7 Night-Time Sensor
CCD	1/3 in Interline SuperHAD	1/3 in LXR CCD
Effective Pixels	NTSC: 768 x 494 (HxV)	NTSC: 542 x 492 (HxV)
	PAL: 752 x 582 (HxV)	PAL: 542 x 582 (HxV)
Resolution	550 TVL	550 TVL
S/N Ratio	Greater than 48 dB	Greater than 48 dB
Daytime Sensitivity	2.7 lux at F1.4	0.01 lux at F1.2 (AGC on)
Night-time Sensitivity	0.0 lux (works in total darkness)	
Lens	4 to 8 mm or 6 to 15 mm	
Gamma	0.45	
Video Output	1Vpp, 75 ohm	
Day-Night Switching	Photocell-controlled, automatic	
Photocell	Automatic, sensitivity adjustable	
LEDs	Black Diamond High-Fidelity Infrared, intensity adjustable	
Wavelength	850 nm (semi-covert) or 940 nm (covert)	

Electrical

Voltage Supply 12 VDC or 24 VAC

Power Consumption 36 W max

Mechanical

Construction Robust aluminium casting

Finish Baked enamel finish, black standard

Bracket Cable managed wall bracket included

Dimension 131 x 139 x 207 mm (H x W x D)
5.2 x 5.5 x 8.2 in (H x W x D)

Weight 1.4 kg (3.4 lb)

Environmental

Operation Temperature Range -50 °C to +50 °C (-58 °F to 122 °F)

Environment NEMA4

Note 74% distance loss from stated distances at 850 nm

Ordering Information

EX82D8V0409B-N Infrared Imager **EX82D8V0409B-N**Day/Night dual sensor, VA4-9 mm, 850 nm
BlackDiamond 40 or 80 deg, black, NTSC**EX82D8V0409B-P Infrared Imager** **EX82D8V0409B-P**Day/Night dual sensor, VA4-9 mm, 850 nm
BlackDiamond 40 or 80 deg, black, PAL**EX82D9V0409B-N Infrared Imager** **EX82D9V0409B-N**Day/Night dual sensor, VA4-9 mm, 940 nm
BlackDiamond 40 or 80 deg, black, NTSC**EX82D9V0409B-P Infrared Imager** **EX82D9V0409B-P**Day/Night dual sensor, VA4-9 mm, 940 nm
BlackDiamond 40 or 80 deg, black, PAL**EX82D8V0922B-N Infrared Imager** **EX82D8V0922B-N**Day/Night dual sensor, VA9-22 mm, 850 nm
BlackDiamond 40 or 80 deg, black, NTSC**EX82D8V0922B-P Infrared Imager** **EX82D8V0922B-P**Day/Night dual sensor, VA9-22 mm, 850 nm
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BlackDiamond 40 or 80 deg, black, NTSC**EX82D9V0922B-P Infrared Imager** **EX82D9V0922B-P**Day/Night dual sensor, VA9-22 mm, 940 nm
BlackDiamond 40 or 80 deg, black, PAL

Accessories

EXPS.009 VAC Power Supply **EXPS.009**

Power supply 24 VDC, 2500 mA RoHS

EXMB.015B Pole Mount Adapter Bracket **EXMB.015B**

Pole Mount Adapter, black

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