

EX30 Infrared Imager

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BOSCH
Invented for life



- ▶ Daytime color, active-infrared night vision
- ▶ Black Diamond infrared technology
- ▶ Powerful, precision engineered optics
- ▶ Detection-level imaging to 100 m (330 ft)
- ▶ Packed with installer-friendly enhancements

The EX30 is a versatile single-sensor Infrared Imager delivering outstanding color performance by day and award-winning night vision for critical 24/7 surveillance applications.

Building from its patented Integrated Day-Night (IDN) design, the new EX30 Infrared Imager combines performance optics - including a 5 to 50 mm IR-corrected lens - and ground-breaking Black Diamond technology for the most advanced level of night vision performance available today.

Capable of fulfilling all four DCRI surveillance levels (Detection, Classification, Recognition and Identification), the EX30 provides effective 24/7 imaging for critical applications including perimeter surveillance, high value asset protection and force protection.

Functions

Black Diamond Night Vision

- Award-winning Black Diamond technology eliminates hotspot foregrounds and underexposed backgrounds
- Detection-level imaging at 100 m (330 ft)
- Enables effective 24/7 operation across a wide variety of surveillance applications

Precision Engineered Performance Optics

- 540 TVL Hi-resolution day/night CCD for vivid daytime color and outstanding night vision performance
- 5 to 50 mm IR-corrected lens delivers a wide surveillance range from 45 m (150 ft) to 100 m (330 ft) for maximum imaging versatility
- IR-corrected lens eliminates focus shift and IR bleed

Installer-Friendly Features

- Sliding optical chassis for fast, easy optical adjustments
- 5 to 50 mm varifocal, auto-iris lens
- NEMA4X weather-sealed housing
- Adjustable infrared intensity and photocell sensitivity
- Cable-managed wall bracket

DCRI Performance

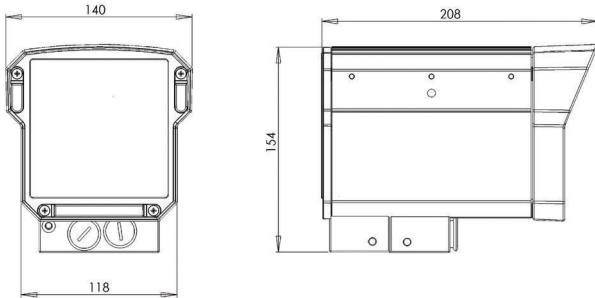
Our Infrared Imagers are tested for performance to DCRI surveillance levels. Conformance to these criteria ensure that our cameras deliver outstanding video at any one of the four levels of surveillance shown below, assuring security specifiers the broadest range of capability.

Parameters at 850 nm

Detection	100 m (330 ft)
Classification	90 m (300 ft)

Recognition	75 m (250 ft)
Identification	45 m (150 ft)

Installation/configuration notes



Technical specifications

Video

	EX30 Infrared Imager
Sensor	1/3" Extended Hi-Resolution Day/Night CCD
Effective Pixels (H x V)	NTSC: 768 x 494
Effective Pixels (H x V)	PAL: 752 x 582
Resolution	540 TVL color / 540 TVL monochrome
S/N Ratio	Greater than 48 dB (AGC off)
Daytime Sensitivity	0.02 lux at F1.4
Night time Sensitivity	0.0 lux with infrared (B/W)
Lens	IR corrected 5 to 50 mm varifocal auto-iris, DC drive
Gamma	0.45
Video Output	1 Vpp, 75 ohm
Day-Night Switching	Photocell-controlled, automatic
Photocell	Automatic, sensitivity adjustable
Controls	OSD with joystick operation
LEDs	Black Diamond Infrared, intensity adjustable
Wavelength	850 nm (semi-covert) or *940 nm (covert)

Electrical

Voltage Supply	12 to 24 VDC or VAC
Power Consumption	36 W max

Mechanical

Construction	Robust aluminum casting
Finish	Baked enamel finish, black standard
Bracket	Cable managed wall bracket included

Dimensions	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	NEMA 4X compliant



Notice

*For 940 nm, 50-60% distance loss from stated distances at 850 nm.

Ordering information

EX30MNX8V0550B-N Infrared Imager

Day/Night with mech filter, VA5-50 mm, 850 nm
BlackDiamond 40 or 80 deg, black, NTSC
Order number **EX30MNX8V0550B-N**

EX30MNX8V0550B-P Infrared Imager

Day/Night with mech filter, VA5-50 mm, 850 nm
BlackDiamond 40 or 80 deg, black, PAL
Order number **EX30MNX8V0550B-P**

EX30MNX9V0550B-N Infrared Imager

Day/Night with mech filter, VA5-50 mm, 940 nm
BlackDiamond 40 or 80 deg, black, NTSC
Order number **EX30MNX9V0550B-N**

EX30MNX9V0550B-P Infrared Imager

Day/Night with mech filter, VA5-50 mm, 940 nm
BlackDiamond 40 to 80 deg, black, PAL
Order number **EX30MNX9V0550B-P**

EX30MNX8V0550W-N Infrared Imager

Day/Night with mech filter, VA5-50 mm, 850 nm
BlackDiamond, white, NTSC
Order number **EX30MNX8V0550W-N**

EX30MNX8V0550W-P Infrared Imager

Day/Night with mech filter, VA5-50 mm, 850 nm
BlackDiamond, white, PAL
Order number **EX30MNX8V0550W-P**

EX30MNX9V0550W-N Infrared Imager

Day/Night with mech filter, VA5-50 mm, 940 nm
BlackDiamond, white, NTSC
Order number **EX30MNX9V0550W-N**

EX30MNX9V0550W-P Infrared Imager

Day/Night with mech filter, VA5-50 mm, 940 nm
BlackDiamond, white, PAL
Order number **EX30MNX9V0550W-P**

Accessories

EXPS.009 VAC Power Supply

Power supply 24 VAC, 2500 mA RoHS
Order number **EXPS.009**

EXMB.015B Pole Mount Adapter Bracket

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

EXMB.015W Pole Mount Adapter

Pole Mount Adapter, White
Order number **EXMB.015w**

EXMB.017B Wall Mount Adapter Bracket

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

EXMB.017W Wall Mount Adapter Bracket

Wall Mount Adapter, White
Order number **EXMB.017W**

EXMB.029B Ceiling Mount Bracket

Ceiling Mount Bracket, Black
Order number **EXMB.029B**

EXMB.029W Ceiling Mount Bracket

Ceiling Mount Bracket, white
Order number **EXMB.029W**

EXMB.061 Pole Top Bracket

Stainless Pole Top Bracket
Order number **EXMB.061**

EXSH.01B Sunhood

Sunhood, black
Order number **EXSH01B**

EXSH.01W Sunhood

Sunhood, white
Order number **EXSH01W**

PSU-230-24 Power Supply

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

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