



Mini Camera Series Digital Mono & Color Cameras - PAL



- ▶ Compact Camera
- ▶ 1/4-inch Format CCD Imager
- ▶ Full Range of Color and Monochrome Models
- ▶ CS Lens Mount
- ▶ All Models with Advanced DSP
- ▶ Backlight Compensation
- ▶ Accepts AC or DC Voltages

The Bosch Security Systems Mini Camera Series provides an excellent solution for demanding applications, where limited space is a concern. The Mini Camera models provide all of the benefits of a full-featured security camera, in an attractive, compact designer package.

Mini Cameras utilize a high performance 1/4-inch CCD imager, with advanced digital signal processing (DSP). Both color and monochrome models are available in either standard or high-resolution formats. These high-sensitivity imaging devices offer ultra-sharp pictures, even in poorly lit areas.

The backlight compensation feature allows viewing of subjects against brightly lit backgrounds. All models accept a wide variety of manual or DC-iris lenses. Whether dome, corner, wall, or ceiling mounted, the Bosch Mini Camera is perfect for today's smaller camera enclosures and system installations. The cameras can be 12 VDC or 24 VAC powered, and offer selectable crystal or line lock synchronization. Choose the Bosch Security Systems Mini Camera Series whenever you're in a tight spot.

Technical Specifications

Mechanical

Connectors

Video Output	BNC Connector
Power	Power plug
DC-Iris	4-pin EIA-J

Camera Mounting	Top and bottom, 1/4-inch 20 UNC
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Lens

Mount	CS
Drive	DC-Iris
Compatibility	Manual and DC-Iris

Dimensions	7.37 H x 7.11 W x 5.1 D cm (2.9 x 2.8 x 2.0 inch)
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Weight	Approximately .23 kg (0.5 lb)
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Environmental

Operating Temperature	-10°C to +45 °C (+14 °F to +113°F)
Operating Humidity	0% – 95%, non condensing

Product Regulatory Compliance

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003 and CE regulations
Product Safety	Complies with CE regulations, UL, CSA, EN, and IEC Standards

Ordering Information

Model | Description

LTC 0135/10 Monochrome Mini Camera
1/4-inch B/W EIA, 380 TVL, 12 - 28 VAC, 50 Hz, 11.5 - 36 VDC

LTC 0155/10 Monochrome Mini Camera
1/4-inch B/W EIA, 570 TVL, 12 - 28 VAC, 50 Hz, 11.5 - 36 VDC

LTC 0235/10 Color Mini Camera
1/4-inch PAL, 330 TVL, 12 - 28 VAC, 50 Hz, 11.5 - 36 VDC

LTC 0255/10 Color Mini Camera
1/4-inch PAL, 480 TVL, 12 - 28 VDC, 50 Hz, 11.5 - 36 VDC

Hardware Accessories

LTC 3364/50 Varifocal Lens
1/3-inch, 2.8 - 10 mm, DC-iris, CS-mount, F1.4-360, 4 pin

LTC 3364/60 Varifocal Lens
1/3-inch, 3.5 - 8 mm, DC-iris, CS-mount F1.4-360, 4-pin

LTC 3374/50 Varifocal Lens
1/3-inch, 5 - 50 mm, DC-iris, CS-mount F1.7-360, 4-pin

Mini Camera Series Color & Monochrome - PAL

	LTC 0135/10	LTC 0155/10	LTC 0235/10	LTC 0255/10
Imager	Interline Transfer CCD, 1/4-inch format	Interline Transfer CCD, 1/4-inch format	Interline Transfer CCD, 1/4-inch format	Interline Transfer CCD, 1/4-inch format
Active Picture Elements	512(H) X 582(V) CCIR	752(H) X 582(V) CCIR	512(H) X 582(V) PAL	752(H) X 582(V) PAL
Sensitivity (3200K), Scene Illumination, Usable Picture lx f/ 1.2 lens, 89% re- flectance 50 IRE	0.18	0.18	1.6	1.6
Horizontal Resolution	380 TVL	570 TVL	330 TVL	480 TVL
Signal-to-Noise	>48 dB	>48 dB	>48 dB	>48 dB
AGC	Automatic	Automatic	Automatic	Automatic
Electronic Shutter	Automatic, 1/50 to 1/100,000	Automatic, 1/50 to 1/100,000	Automatic, 1/60 to 1/100,000	Automatic, 1/60 to 1/100,000
Aperture Correction	Horizontal and vertical	Horizontal and vertical	Horizontal and vertical	Horizontal and vertical
Backlight Compensation	Selectable, On/Off	Selectable, On/Off	Selectable, On/Off	Selectable, On/Off
White Balance	-	-	Selectable, hold/contin- ous (2500–9000 K)	Selectable, hold/contin- ous (2500–9000 K)
Video Output	Composite Video 1.0 Vp-p, 75 Ohm	Composite Video 1.0 Vp-p, 75 Ohm	Composite Video 1.0 Vp-p, 75 Ohm	Composite Video 1.0 Vp-p, 75 Ohm
Synchronization	Selectable Line Lock, Crystal Lock	Selectable Line Lock, Crystal Lock	Selectable, Line Lock, Crystal Lock	Selectable, Line Lock, Crystal Lock
Phase Delay	0 – 330°	0 – 330°	0 –350°	0 –350 °
Voltage Range	12 - 28 VAC, 50Hz, 11.5 - 36 VDC	12 - 28 VAC, 50Hz, 11.5 - 36 VDC	12 - 28 VAC 50Hz, 11.5 - 36 VDC	12 - 28 VAC 50Hz, 11.5 - 36 VDC
Power	2 Watts	2 Watts	2 Watts	2 Watts

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