

Mini Camera Series Digital Mono and Color Cameras - PAL

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Invented for life



- ▶ Compact Camera
- ▶ 1/4-inch Format CCD Imager
- ▶ Full Range of Color and Monochrome Models
- ▶ CS Lens Mount
- ▶ All Models with Advanced DSP

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.

Certifications and Approvals

Region	Certification
Europe	CE

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

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 in)
Weight	Approximately .23 kg (0.5 lb)

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

LTC 0135/10 Monochrome Mini Camera

1/4-inch B/W EIA, 380 TVL, 12 – 28 VAC, 50 Hz, 11.5 – 36 VDC

Order number **LTC0135/10**

LTC 0155/10 Monochrome Mini Camera

1/4-inch B/W EIA, 570 TVL, 12 – 28 VAC, 50 Hz, 11.5 – 36 VDC

Order number **LTC0155/10**

LTC 0235/10 Color Mini Camera

1/4-inch PAL, 330 TVL, 12 – 28 VAC, 50 Hz, 11.5 – 36 VDC

Order number **LTC0235/10**

LTC 0255/10 Color Mini Camera

1/4-inch PAL, 480 TVL, 12 – 28 VAC, 50 Hz, 11.5 – 36 VDC

Order number **LTC0255/10**

Accessories

LTC 3364/50 Varifocal Lens

1/3-inch, 2.8 – 10 mm, DC-iris, CS-mount, F1.4-360, 4 pin

Order number **LTC3364/50**

LTC 3364/60 Varifocal Lens

1/3-inch, 3.5 – 8 mm, DC-iris, CS-mount F1.4-360, 4-pin

Order number **LTC3364/60**

LTC 3374/50 Varifocal Lens

1/3-inch, 5 – 50 mm, DC-iris, CS-mount F1.7-360, 4-pin

Order number **LTC3374/50**

Mini Camera Series Color and Monochrome - PAL

	LTC 0135/10 Monochrome Mini Camera	LTC 0155/10 Monochrome Mini Camera	LTC 0235/10 Color Mini Camera	LTC 0255/10 Color Mini Camera
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% reflectance 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/continuous (2500–9000 K)	Selectable, hold/continuous (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

Represented by:

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
5617 BA 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
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
al.securitysystems@bosch.com
www.boschsecurity.com