

Mini Camera Series

Digital Color and Monochrome Cameras

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Security Systems



Lens not included.

- Compact Camera
- 1/4in Format CCD Imager
- Full Range of Color and Monochrome Models
- CS Lens Mount
- All Models with Advanced DSP
- Backlight Compensation
- 24VAC Supply with Line Lock

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" 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 12VDC or 24VAC powered, and offer selectable crystal or line lock synchronization. Choose the Bosch Security Systems Mini Camera Series whenever you're in a tight spot.

Monochrome Models

Camera	LTC 0135MC	LTC 0155MC
Imager	Interline Transfer CCD, 1/4in format	
Active Picture Elements	512(H) X 492(V) EIA	768(H) X 492(V) EIA
Sensitivity (3200K)		
Scene Illumination ¹ fc	0.018	0.018
Usable Picture lx	.18	.18
¹ f/1.2 lens, 89% reflectance 50 IRE		
Horizontal Resolution	380 TVL	570 TVL
Signal-to-Noise	>48 dB	>48 dB
AGC	Automatic	
Electronic Shutter	Automatic, 1/60 to 1/100,000	
Aperture Correction	Horizontal and vertical	
Backlight Compensation	Selectable, On/Off	
Video Output	Composite Video 1.0 Vp-p, 75 Ω	
Synchronization	Selectable Line Lock, Crystal Lock	
Phase Delay	0 – 350°	
Voltage Range	24VAC 60Hz typical 12 to 28VAC 12Vdc typical 12 to 28Vdc	
Power	2 Watts	

Color Models

Camera	LTC 0235MC	LTC 0255MC
Imager	Interline Transfer CCD, 1/4in format	
Active Picture Elements	512(H) X 492(V) NTSC	768(H) X 492(V) NTSC
Sensitivity (3200K)		
Scene Illumination ¹ fc	0.16	0.16
Usable Picture lx	1.6	1.6
¹ f/1.2 lens, 89% reflectance 50 IRE		
Horizontal Resolution	330 TVL	480 TVL
Signal-to-Noise	>48 dB	>48 dB
AGC	Automatic	
Electronic Shutter	Automatic, 1/60 to 1/100,000	
Aperture Correction	Horizontal and vertical	
Backlight Compensation	Selectable, On/Off	
White Balance	Selectable, hold/continuous (2500–9000K)	
Video Output	Composite Video 1.0 Vp-p, 75 Ω	
Synchronization	Selectable, Line Lock, Crystal Lock	
Phase Delay	0 – 350°	
Voltage Range	24VAC 60Hz typical 12 to 28VAC 12Vdc typical 12 to 28Vdc	
Power	2 Watts	

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Monochrome and Color Models**Mechanical****Connectors**

Video Output BNC Connector

Power Inline Quick Connect

DC-Iris 4-pin EIA-J

Camera Mounting Top and bottom, 1/4in 20 UNC**Lens**

Mount CS

Drive DC-Iris

Compatibility Manual and DC-Iris

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

Temperature Operating: -10°C to 45°C (14°F to 113°F)

Humidity Operating: 0%–95%, noncondensing

Product Regulatory Compliance

Electromagnetic Compatibility (EMC)

Complies with FCC Part 15, ICES-003,
and CE regulationsProduct Safety Complies with CE regulations, UL, CSA,
EN, and IEC Standards**Recommended Lenses****Lenses DC-Iris**

LTC 3364/50 2.8 to 10mm f/1.4 to 360

LTC 3364/60 3.5 to 8mm f/1.4 to 360

LTC 3374/50 5 to 50mm f/1.7 to 360

Power Supplies/Transformers

Model (No. of Cameras)	Input	Output
TC1323 (1)	120VAC, 60Hz	24VAC, 60Hz, 10VA
TC1334 (1)	120VAC, 60Hz	24VAC, 60Hz, 30VA
RT2440SL (1)	120VAC, 60Hz	24VAC, 60Hz, 40VA
RTD12/3RT (1)	120VAC, 60Hz	12VDC (regulated)

Multi-Camera, Non-Isolated

Model (No. of Cameras)	Input	Each Output
LTC 5404/60 (4)	120VAC, 60Hz	24VAC, 21VA
LTC 5408/60 (8)	120VAC, 60Hz	24VAC, 10.5VA
LTC 5416/60 (16)	120VAC, 60Hz	24VAC, 10.5VA

Multi-Camera, Isolated

Model (No. of Cameras)	Input	Isolated Each Output
LTC 5414/60 (4)	120VAC, 60Hz	24VAC, 12VA
LTC 5418/60 (8)	120VAC, 60Hz	24VAC, 12VA

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