


BOSCH

Invented for life

LTC 0355 Series Dinion Monochrome Cameras



- ▶ 1/3-inch format CCD imager
- ▶ High sensitivity
- ▶ Advanced digital signal processing
- ▶ High resolution
- ▶ Auto detection of lens type
- ▶ Easy to install
- ▶ Accepts AC or DC voltage

The LTC 0355 Series are compact rugged, 1/3-inch image format digital high monochrome CCD cameras. Their superior sensitivity and high resolution provide optimal performance in virtually all environments. Easy Installation, digital signal processing, on screen displays, superior picture quality and reliability brings the video performance of high resolution monochrome cameras to a level never reached before. The LTC 0355 series is the best choice for first time and professional users.

The LTC 0355 cameras also comes with a lens wizard that automatically detects the type of lens installed and provides an OSD guide that allows the installer to easily adjust the lens level and focus without special tools or filters. The ability to operate on AC or DC provides added flexibility to system designs and reduces the amount of training and support items to keep on-hand.

This fully automatic camera is ready to work for you, and is easy to install in even the most demanding applications. On-screen displays (OSD) provide quick and easy access to all camera features.

Certifications and Approvals

Region	Certification	
Europe	CE	EC-Declaration of Conformity
Electromagnetic Compatibility		
EMC Immunity: According EN50130-4		
EMC Emission: According EN505022 class B, According FCC, class B part 15		

Safety

LTC 0355/10 and LTC 0355/50: EN60065

LTC 0355/20 and LTC 0355/60: UL6500

Parts Included

Quantity	Components
1	LTC 0355 Series Monochrome Camera
1	Spare male 4-pin lens connector
	Lens not included

Technical Specifications**Electrical**

Model No.	Rated Voltage	Voltage Range	System
LTC 0355/10	12 VDC	10.8–39 VDC	CCIR
	24 VAC 50 Hz	12–28 VAC 45–65 Hz	CCIR
LTC 0355/20	12 VDC	10.8–39 VDC	EIA
	24 VAC 60 Hz	12–28 VAC 45–65 Hz	EIA
LTC 0355/50	230 VAC 50 Hz	85–265 VAC 45–65 Hz	CCIR
LTC 0355/60	120 VAC 60 Hz	85–265 VAC 45–65 Hz	EIA
Power Consumption	4 W, excluding lens		
Imager	Interline transfer CCD, 1/3-inch image format		

Active Pixels

CCIR Models:	752 H x 582 V
EIA Models:	582 H x 494 V

Sensitivity (3200 k)

	Usable Picture (50 IRE)	Full Video
Scene Illumination ¹⁾	0.09 lux (0.009 fc)	0.36 lux (0.036 fc)
Imager Illumination	0.018 lux (0.0018 fc)	0.072 lux (0.0072 fc)
Horizontal Resolution	570 TVL	
Signal-to-Noise Ratio	50 dB	
Gain	Auto, 21 dB (max)	
Electronic Shutter	Automatic, 1/50 to 1/500000 sec. (CCIR), 1/60 to 1/600000 sec. (EIA)	
Aperture Correction	Horizontal and vertical, symmetrical	
Backlight Compensation	Center window weighting	
Video Output	Composite video 1.0 Vpp, 75 Ohm	

Synchronization

Line-lock	(When powered by AC only) Synchronizes the camera to the power line zero crossing for roll-free vertical interval switching. Vertical phase delay can be adjusted (0–358 degrees) to allow vertical synchronization in multi-phase power installations.
Crystal-lock	(When DC-supply or L/L off) Internal crystal reference is standard on all models.

Controls

Video level
Shutter: AES / off / flickerless
AGC: on / off
BLC: on / off
Auto black: on / off
V-phase adjustment: 0–358 degrees

1) For F/1.2, 89% scene reflectance.

Mechanical

Connectors	Video output: BNC
	Video / DC-IRIS connector: 4-pin EIA-J

Power

LTC 0355/10 and LTC 0355/20	Push type connectors, polarity independent, isolated from video output terminals
LTC 0355/50	2-wire Power cord with Euro plug
LTC 0355/60	2-wire Power cord with polarized plug
Tripod Mount	Top and bottom, 1/4-inch 20 UNC
Lens Mount	C and CS
Dimensions (H x W x D)	58 x 66 x 122 mm (2.28 x 2.6 x 4.8 in.) including connectors
Weight	0.45 kg (0.99 lb)

Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Operating Humidity	5% to 93% non-condensing

Ordering Information

LTC 0355/10 Dinion Monochrome Camera 1/3-inch B/W CCIR, DSP, 570 TVL, 12 VDC/ 240 VAC, 50 Hz	LTC0355/10
LTC 0355/20 Dinion Monochrome Camera 1/3-inch B/W EIA, DSP, 570 TVL, 12 VDC/24 VAC, 60 Hz	LTC0355/20
LTC 0355/50 Dinion Monochrome Camera 1/3-inch B/W CCIR, DSP, 570 TVL, 230 VAC, 60 Hz	LTC0355/50
LTC 0355/60 Dinion Monochrome Camera 1/3-inch B/W EIA, DSP, 570 TVL, 120 VAC, 60 Hz	LTC0355/60

Accessories

LTC 3374/20 Varifocal Lens 1/3-inch, 5 – 50 mm, DC-iris, CS-mount F1.4-185, 4-pin	LTC3374/20
TC120PS Power Supply Unit 110-120 VAC/15 VDC, 50/60 Hz, 300 mA	TC120PS
TC220PS Power Supply Unit 230 VAC/12 VDC, 50 Hz, 10 VA	TC220PS
TC220PSX-24 Power Supply Unit 230 VAC/20 VAC, 50 Hz, 20 VA	TC220PSX-24
TC1334 Power Supply Unit 120 VAC/24 VAC, 60 Hz, 30 VA	TC1334