LTC 0356 Series

Monochrome Cameras

Security Systems



- 1/3-inch Format CCD Imager with IR cut Filter
- High Sensitivity
- Advanced Digital Signal Processing
- High Resolution
- Auto Detection of Lens Type
- Easy to Install
- Accepts AC or DC Voltages

Lens not included

The LTC 0356 series are compact rugged, 1/3-inch image format digital monochrome CCD cameras.
Their superior sensitivity and resolution, combined with the IR cut filter on the sensor, provides optimal performance in traffic applications.

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.

The LTC 0356 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.

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.

Bilinx Technology

The LTC0356 series cameras incorporate Bilinx. Bilinx is a bi-directional communication capability embedded in the video signal of all Bosch Dinion cameras. With Bilinx technicians can check status, change camera settings and even update firmware from virtually anywhere along the video cable. Bilinx reduces service and installation time, provides for more accurate set-up and adjustment, and improves overall performance. In addition, Bilinx uses the standard video cable to transmit alarm and status messages, providing superior performance without additional installation steps.

SPECIFICATIONS

Electrical

Model No.	Rated Voltage	Voltage Range	System
LTC 0356/10	12 VDC	10.8-39 VDC	CCIR
	24 VAC, 50 Hz	12-28 VAC, 45-65 Hz	
LTC 0356/20	12 VDC	10.8-39 VDC	EIA
	24 VAC, 60 Hz	12-28 VAC, 45-65 Hz	

Power Consumption:	4 W, excluding lens.
Imager:	Interline transfer CCD, 1/3-inch image format, with IR cut filter.
Active Picture Elements:	
	LTC 0356/10: 752 H x 582 V.
	LTC 0356/20: 582 H x 494 V.

Sensitivity (3200 k):

		Usable Picture (50 IRE)	Full Video
Scene illumination1)	fc	0.02	0.09
	lx	0.2	0.9
Imager illumination	fc	0.005	0.02
	lx	0.05	0.02

1) for f/1.2 lens, 89% scene reflectance.

Horizontal Resolution:	570 TVL.
Signal-to-noise Ratio:	50 dB.
AGC:	21 dB, (max).
Electronic Shutter:	Automatic, 1/50 to 1/500000 sec. (LTC 0356/10), 1/60 to 1/600000 sec. (LTC 0356/20)
Aperture Correction:	Horizontal and vertical symmetrical.
Backlight Compensation:	Center window weighting.
Video Output:	Composite video 1.0 Vpp, 75 Ohms.
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
	Vphase Adjustment: 0 - 358 degrees

MECHANICAL

Connectors:	
- Video Output:	BNC.
- Video/DC-Iris connector:	4-pin EIA-J.
Power:	
	Push type connectors, polarity independent, isolated from video output terminals
Camera mounting:	Top and Bottom, 1/4-inch 20 UNC.
Lens Mounting:	C and CS.
Dimensions:	(HxWxD*) 58 x 66 x 122 mm (2.28 x 2.6 x 4.8 inch). *including connectors.
Weight:	0.45 kg (0.99 lb).

ENVIRONMENTAL

Temperature Range:	
Operating:	-20 to 50°C (-4 to 122°F).
Storage:	-25 to 70°C (-13 to 158°F).
Operating Humidity:	5% to 93% non-condensing.
Electromagnetic Compatibility:	
EMC immunity:	According EN50130-4
EMC emission:	According EN505022 class B, According FCC, class B part 15
Safety:	
LTC 0356/10:	EN60065
LTC 0356/20:	UL6500
Accessories	
Lenses DC-Iris:	
LTC 3364/40:	2,8 - 12 mm, F1,4 - F360.
LTC 3374/20:	5 - 50 mm, F1,4 - F185.

Power Transformers and Power Supplies:

Model No.	Rated Input	Rated Output
TC1334	120 VAC, 60 Hz	24 VAC, 30 VA
TC120PS	120 VAC, 60 Hz	15 VDC, 9 VA
TC220PSX-24	220 - 240 VAC, 50/60 Hz	24 VAC, 20 VA
TC220PS	220 - 240 VAC, 50/60 Hz	15 VDC, 9 VA

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