LTC 0335 Series

Monochrome Cameras

Security Systems



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

Lens not included

The LTC 0335 series are compact, rugged, 1/3-inch image format digital monochrome CCD cameras. Their superior sensitivity and resolution provide optimal performance in virtually all environments.
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 0335 cameras also comes with a lens wizard that automatically detects the type of lens installed. 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 standard resolution monochrome cameras to a level never reached before.
The LTC 0335 series is the best choice for first time and professional users.

Bilinx Technology

The LTC0335 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.

Security you can rely on

BOSCH

SPECIFICATIONS

Electrical

Model No.	Rated Voltage	Voltage Range	System
LTC 0335/10	12 VDC	10.8-39 VDC	CCIR
	24 VAC, 50 Hz	12-28 VAC, 45-65 Hz	
LTC 0335/20	12 VDC	10.8-39 VDC	EIA
	24 VAC, 60 Hz	12-28 VAC, 45-65 Hz	
LTC 0335/50	230 VAC, 50 Hz	85-265 VAC, 45-65 Hz	CCIR
LTC 0335/60	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 Picture Elements:	
	CCIR Models: 512 H x 582 V.
	EIA Models: 512 H x 492 V.

Sensitivity (3200 k):

		Usable Picture (50 IRE)	Full Video
Scene illumination1)	fc	0.01	0.048
	lx	0.12	0.48
Imager illumination	fc	0.0024	0.010
	lx	0.024	0.10

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

Horizontal Resolution:	380 TVL.
Signal-to-noise Ratio:	50 dB.
AGC:	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 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:	LTC 0335/10 and LTC 0335/20: push type
	connectors, polarity independent, isolated
	from video output terminals
	LTC 0335/50: 2-wire power cord with Euro
	plug
	LTC 0335/60: 2-wire power cord with
	polarized plug
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 0335/10 and LTC 0335/50: EN60065
	LTC 0335/20 and LTC 0335/60: 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

Bosch Security Systems.
5600 JB Eindhoven
The Netherlands
Tel: +31 (40) 27 80000
Fax: +31 (40) 27 80001
www.boschsecuritysystems.com

BOSCH

9922 141 00153en 03-08 | Printed in The Netherlands | November 2003 • Data subject to change without notice.