

LTC 0440 Series Dinion Color Cameras



- ▶ 1/3-inch format CCD imager
- ► High sensitivity
- ► Advanced digital signal processing
- ► High resolution with outstanding picture quality
- ► Auto detection of lens type with Lens Wizard
- ► Easy to install
- ► Accepts AC or DC voltages

The LTC 0440 series are compact rugged, 1/3-inch image format digital color CCD cameras. Their superior sensitivity, 480 TVL resolution and picture quality provide optimal performance in virtually all situations. This fully automatic camera is ready to work for you, and is easy to install in even the most demanding applications. Onscreen Displays (OSD) provide quick and easy access to all camera features. The LTC 0440 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.

Automatic sensing for tracking white balance, provides true to life color images in indoor and outdoor applications. 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 color cameras to a level never reached before and makes the LTC 0440 series the best choice for first time and professional users.

Certifications and Approvals

Electromagnetic Compatibility:

EMC Immunity:	According EN50130-4
EMC Emission:	According EN505022 class B
	According FCC, class B part 15

Safety:

LTC 0440/10 and LTC 0440/50: EN60065 LTC 0440/20 and LTC 0440/60: UL6500

Parts Included

Quantity	Components			
1	LTC 0440 Series Color Camera			
1	Spare male 4-pin lens connector			
	Lens not included			

Technical Specifi	ications				Controls		
Electrical					Video level		
Madal Na	Data d Valt	D-		Shutter: AES / off / flickerless		/ flickerless	
Model No.	Rated Volt- age	Range	inge	System	AGC: On / Off		
LTC 0440/10	12 VDC 10.8-39 VDC			PAL	BLC: On / Off		
110 0440/10	24 VAC 12-28 VAC		PAL	ATW: On / Hold			
	50Hz 45-65 Hz			R-offset			
LTC 0440/20	12 VDC	10.8-	39 VDC	NTSC	B-offset		
	24 VAC 60Hz		8 VAC 65 Hz	NTSC	Vphase Adjustme 1) For f/1.2 lens, 89% so	ent: 0 - 358 degrees	
LTC 0440/50	230 VAC 85-265 VAC		PAL				
	50Hz		65 Hz		Mechanical		
LTC 0440/60	120 VAC 60Hz		65 VAC 65 Hz	NTSC	Connectors	- Video Output: BNC	
			00112			- Video/DC-iris connecto	or: 4-pin EIA-J
Power Consumption	4 W, excluding lens				Power		
Imager	nager Interline transfer CCD,1/3-inch image		age format	LTC 0440/10 and	Push type connectors, polarity independent, iso-		
Active Pixels					LTC 0440/20	lated from video output	
PAL Models:	752 H x 582	٧			LTC 0440/50	2-wire power cord with	plug
NTSC Models:	768 H x 494	٧			LTC 0440/60	2-wire power cord with	polarized plug
Sensitivity (3200 k)					LensMounting	C and CS	
Sensitivity (3200 k)	Min. Illumina- Usable tion(30 IRE) Picture (50 IRE)			Full Video	Dimensions (H x W x D)	58 x 66 x 122 mm (2.28 x 2.6 x 4.8 inch) inc. connectors	
				Weight	0.45 kg (0.99 lb)		
Scene Illumination ¹⁾	0.40 lux (0.04 fc)		0.87 lux (0.09 fc)	3.5 lux (0.35 fc)	Environmental		
Imager Illumination	0.060 lux (0.006 fc)		0.13 lux (0.013 fc)	0.53 lux (0.053 fc)	Operating Temperature	•	
					Storage Temperature	-25 °C to 70 °C (-13 °F to 158 °F)	
Horizontal Resolution	480 TVL				Operating Humidity 5% to 93% non-condensing		sing
Signal-to-Noise Ratio	50 dB						
AGC	21 dB (max)				Ordering Informa	tion	
Electronic Shutter	Automatic, 1 to 1/50000			. (CCIR), 1/60	LTC 0440/10 Dinion Color Camera 1/3-inch, 480 TVL, PAL, DSP, 12 VDC/24		LTC0440/10
Aperture Correction	Horizontal an	nd vertic	al symmetrica	ıl.	VAC, 50Hz		
Backlight Compensatio	n Center windo	ow weigh	nting		LTC 0440/20 Dinion		LTC0440/20
Video Output	Composite vi	ideo 1.0	Vpp, 75 ohm		1/3-inch, 480 TVL, NTSC, DSP, 12 VDC/24 VAC, 60Hz		
Synchronization Line-Lock (when pow- Synchronizes the camera to the power line zero					LTC 0440/50 Dinion Color Camera 1/3-inch, 480 TVL, PAL, DSP, 230 VAC, 50Hz		LTC0440/50
ered by AC only)	crossing for roll-free vertical interval switching. Vertical phase delay can be adjusted (0-358 degrees) to allow vertical synchronization in multiphase power installations.			d (0-358 de-	LTC 0440/60 Dinion Color Camera 1/3-inch, 480 TVL, NTSC, DSP, 120 VAC, 60Hz		LTC0440/60
Free Running (when	Internal crystal reference is standard on all models			d on all models	Accessories		
DC-supply or L/L off).					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

TC220PSX-24 Power Supply Unit 230 VAC/20 VAC, 50 Hz, 20 VA

Ordering Information

TC1334 Power Supply Unit 120 VAC/24 VAC, 60 Hz, 30 VA

TC1334

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