

Product Information

Cameras

1/3" High End Mono Camera Series CCD-3000EX with 570 TV Lines and EXview HAD CCD Chip

Product Data

- extremely sensitive to light EXview HAD CCD chip
- 570 TV lines resolution
- smear < 0.003 %
- 0.002 Lux at the faceplate
- backlight compensation
- 12 VDC or 90-260 VAC
- linelock synchronisation



Description

The CCD-3000EX series is part of a complete videotronic infosystems 1/3" High End CCD camera line. These mono cameras have 570 TV lines resolution (high resolution) and include different useful options.

The CCD-3000EX series uses the extremely sensitive to light 1/3" EXview HAD CCD chip (0.002 lux at the faceplate) and produces crystal clear, sharp mono pictures. This makes the camera ideally suitable for use in areas with bad lighting conditions. The cameras are available with 12 VDC (CCD-3012EX or 230 VAC (CCD-3230EX) power supply and include an adjustable linelock (mains phase) synchronisation.

A robust metal case with industrial design underlines the impression of solid construction and excellent manufacturing quality and protects the camera against active and passive interference. The cameras include a backlight compensation function which eliminates picture distortions caused by background or peak lights. The C/CS mount makes the camera suitable for any 1/3" lens type (manual, DC or AI). The integrated high speed auto shutter allows to optimally adopt the camera to the local lighting conditions.

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Cameras

Technical Specifications

Camera Type	CCD-3012EX	CCD-3230EX
CCD	1/3" interline transfer EXview HAD sensor (Sony)	
Max. Pixels at Output	568.000	
Net Pixels on Chip	440.000 752 (h) x 582 (v)	
Resolution at 625 Lines	570 lines	
Sensitivity to Light	0.002 lux at faceplate / 0.02 lux/F1.4	
Enhancer (H-Aperture)	yes	
Gamma Correction	0.45	
Shutter	1/50 - 1/100,000 (auto)	
Signal-to-Noise Ratio	> 50 dB (AGC off)	
AGC / ALC	30 dB / 64 dB	
Synchronisation	linelock	
Backlight	yes	
Spectral Response	380 - 1,000 nm	
Smear	< 0,003%	
Depth of Modulation	80 %	
Return Loss	> 20 dB	
Automatic Circuits for		
Gain	yes	
Pedestal	yes	
White Balance	-	
Video Output Signal	BAS 1 Vpp / 75 Ohm	
Scanning System	CCIR	
Operating Voltage	12 VDC	90 - 260 VAC
Consumption	max. 3 W	
Operating Temperature	- 10° - + 55° C	
Air Humidity	up to max. 90%	
IP Rating	IP40, class I respectively III	
MTBF	120,000 hours	
EMI	acc. to EMVG	
EMC	acc. to EMVG	
Lens Mount	C / CS mount	
Housing Colour	RAL 7035	
Connections via	terminal strip, video over BNC	net cable, video over BNC
Dimensions (W x H x D)	60 x 67 x 127 mm	

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 Errors and omissions excepted.

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