

# Product Information

## Cameras

### 1/3" CCD Cameras (Mono) CCD-7012 / CCD-7230 with 570 TV Lines Resolution

#### Product Data

- 570 TV lines resolution
- sensitivity to light 0.01 lux
- auto shutter up to 1/100,000 sec.
- backlight function
- 12 VDC or 230 VAC
- solid metal housing
- linelock synchronisation



#### Description

The high resolution cameras are part of a complete series of videotronic infosystems 1/3" CCD cameras. The mono camera series CCD-7000 with 570 TV lines resolution uses a high quality 1/3" CCD chip and produces crystal clear, sharp pictures. With a minimum illumination of only 0.01 lux at the faceplate the cameras provide good results even under bad lighting conditions. The cameras include a backlight compensation function which eliminates picture distortions caused by background or peak lights, resulting in higher image contrast. The cameras are available with 12 VDC or 230 VAC power supply and include an adjustable linelock (mains phase) synchronisation.

A rugged and very compact metal case with elegant industrial design underlines the first impression of solid construction and good quality and protects the camera against active and passive interference. The included C mount adapter makes the camera suitable for any lens type. The integrated high speed auto shutter allows you to use lenses with automatic iris (video signal driven or DC-controlled) or lenses with manual iris.

Videotronic infosystems CCD cameras offer excellent value for money.

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# Cameras

## Technical Specifications

	CCD-7012	CCD-7230
Max. Pixel at Output	568,000	
Net Pixels on Chip	440,000	
Sensitivity to Light	0.01 lux at the faceplate	
Sensor	1/3" Interline Transfer	
Auto Shutter	1/50 - 1/100,000 second	
Gamma Correction	0.45	
Signal to Noise Ratio	50 dB	
AGC	31 dB	
Synchronisation	linelock (adjustable 0° - 300°)	
Backlight	yes	
Spectral Response	380 - 1000 nm	
Smear	< 0.01 %	
Depth of Modulation	80 %	
Scanning System	CCIR, 625 lines, 50 Hz	
Resolution	570 TV lines	
Video Output Signal	BAS 1 Vpp / 75 Ohm	
Operating Voltage/ Consumption	12 VDC / max. 2 W	230 VAC / max. 4 W
Operating Temperature	-10° to +55° C	
Air Humidity	up to 90 %	
IP Rating	IP30/KL.III	
MTBF	80,000 hours	
EMI	acc. to EN-50081, EN 55011 class B	
EMC	acc. to. EN 50082-2, EN 50204, EN 61000-4-2,-3,-4,-6	
Safety	acc. to. EN 60950, EN 60065	
Lens Mount	CS mount / C mount	
External Back Focus Adjustment	yes	
1/4" Mount	top or bottom	
Weight	210 g	
Dimensions (W x H x D)	56 x 50 x 110 mm	
Housing Colour	RAL 7035	
Connections via		
Video	BNC	
Lens	CCD-ES-4A	
Power/Linelock	terminal block	
Accessories included	operating instructions, Allen key, C mount adapter	

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Errors and omissions excepted.

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