

Product Information

Cameras

1/3" CCD-TDN-3000EX Day-Night / Infrared Colour Camera with 480 TV Lines Resolution and Removable IR Cut Filter

Product Data

- extremely sensitive to light EXview HAD CCD Chip (Sony)
- auto switch-over colour/mono
- I.R. sensitive due to automatically removable IR cut filter
- 0.0015 lux (mono) and 0.02 lux (colour)
- backlight function
- integrated video sensor
- 12 VDC or 24 VAC
- linelock synchronisation (24 VAC)
- OSD on-screen menu / RS232 interface



Description

The high resolution 1/3" CCD-TDN-3000EX day-night / infrared camera delivers crystal clear pictures day and night - 24 hours a day.

The reliable 1/3" CCD colour camera offers high resolution and true colour pictures during daylight and switches - by automatically removing the IR cut filter - to mono in case of difficult lighting conditions. In total darkness the new CCD-TDN-3000EX is ideally suited for use with I.R. projectors (best around 880 nm). In addition to the true colours provided the camera convinces - due to its EXview chip - with a sensitivity of only 0.0015 lux at the faceplate (in mono operation).

Therefore only one camera is required for three different ranges of operation. This significantly reduces the costs for storage and installation. This camera is the ideal solution - especially for areas which require around the clock surveillance (e.g. town centres, industrial complexes and grounds safeguarding). The camera is operated with either 12 VDC or 24 VAC and includes an adjustable linelock (mains phase) synchronisation in 24 V operation.

An integrated video sensor allows to detect object motions in the video picture, a corresponding alarm is signalled via a contact at the camera. The integrated RS232 interface is used for operating the OSD menus. A robust, elegant metal housing protects the camera against interference. The CCD-TDN-3000EX includes a backlight function that eliminates picture distortions caused by backlight respectively peak light. The C/CS mount makes the camera suitable for any 1/3" lens type (manual, DC or AI).

Security in Focus.

Cameras

Technical Specifications

Camera Type	CCD-TDN-3012EX
HQ Interline Transfer CCD	1/3" Sony EXview HAD IT CCD
Max. Pixels at Output	568,000
Net. Pixels at Chip	440,000 / 752 (h) x 582 (v)
Resolution at 625 Lines	480 lines horizontal
Sensitivity to Light (colour)	0.2 lux / F1.4
	0.02 lux / faceplate
Sensitivity to Light (mono)	0.015 lux / F1.4
	0.0015 lux / faceplate
On-screen Display	yes
Enhancer (H-Aperture)	yes
Gamma Correction	0.45
Shutter	1/50 - 1/10,000
Signal-to-Noise-Ratio	> 48 dB (AGC out)
AGC / ALC	30 dB / 64 dB
Synchronisation	internal / linelock (only for 24 V AC)
Backlight	yes, switchable
Video Sensor	yes, adjustable
RS232	yes
Spectral Response	380 - 1,000 nm
Smear	< 0.01 %
Depth of Modulation	80 %
Return Loss	20 dB
Automatic Circuits for	
Gain, Pedestal	yes
Video Output Signal	FBAS 1 Vpp / 75 Ohm
Y/C Output	yes
Scanning System	PAL
Operating Voltage	12 VDC or 24 VAC
Consumption	max. 3.8 W
Operating Temperature	-10° up to +50° C
Air Humidity	max. 90 %
IP Rating	IP 40 / class I or III
MTBF	80,000 hours
EMI	acc. to EMVG
EMC	acc. to EMVG
Lens Mount	C/CS mount
Housing Colour	RAL 7035
Connections via	BNC, terminal block, mains cord
Dimensions (W x H x D)	55 x 57 x 135 mm
Weight	385 g (max.)

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