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TVCC20030

Day/Night 520 TVL Standard Camera

The day/night TVL standard camera meets high demands at the mid-range level and takes brilliant pictures around-the-clock – in light or darkness. Below a certain brightness, it automatically switches from color to the light-sensitive Black/White mode. This model is equipped with a 1/3" Sony Color Super HAD CCD with a light-sensitivity of 0.2 lux (depending on aperture). With 520 TV lines, the video images are of excellent quality (High Resolution). The camera is equipped with an IR blocking filter with magnetic swivel function. In daylight, this filter covers the CCD to prevent infrared light from reaching the image sensor. In darkness, this filter swivels away (light-sensitivity 0.01 lux depending on aperture) and the infrared light from an external IR emitter needed for night imaging hits the CCD. The day/night TVL standard cameras are compatible with C-Mount and CS-Mount lenses. All models of the series feature AES (Automatic Electronic Shutter), BLC (Back Light Compensation), AGC (Automatic Gain Control), and AWB (Automatic White Balance) for optimal image quality in different lighting situations. This powerful mid-range model for demanding surveillance solutions operates with a 12 V DC power supply (for 230 VAC see the structurally identical TVCC20530). The camera also convinces with its low power consumption. Handy for installation: simple setup and configuration via easily accessible DIP switches.



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Technical Data

Image sensor	1/3" Sony Super HAD CCD	Backlight compensation	BLC / Off
DSP	Nextchip	Video system	PAL
Camera type	Standard camera	Signal-to-noise ratio	48 dB
Resolution	520 TVL	Synchronization	Internal
Image elements (total)	795 (H) x 596 (V)	Connections	FBAS, 1V s-s; 75 Ohm (BNC); DC
Image elements (effective)	752 (H) x 582 (V)	Power supply	12 VDC
Lense socket	CS/C	Power consumption	2.3 W
Lense control	DC	Operating temperature	-10°C ~ +50°C
Day/night switch-over	IR swiveling filter (ICR), color / B/W	Humidity	0~85%, non-condensating
Minimum lighting (color)	0.2 lux @ F1.0, 30 IRE	Protection class	IP 34
Minimum lighting (IR)	0.01 lux @ F1.0, 30 IRE	Dimensions (WxHxD)	55.5 x 40.5 x 99.0 mm
Electronic shutter	AES/AI	Weight	160 g
White balance	AWB	Certifications	CE, UVW
Gain control	AGC, Off		