

STC-3003

Day/Night WDR CCD Camera

- 1/3" Sony Double Scan CCD
- Wide dynamic range (WDR)
- 580 TVL (color) / 680 TVL (B/W) resolution
- Removable IR cut filter
- OSD menu
- 0.5 Lux/F1.2 (color), 0.001 Lux/F1.2 (B/W, frame integration mode)
- BNC, S-Video, UTP Video Out
- Build-in UTP video transmitter
- Frame integration mode
- 16 privacy zones
- Digital zoom
- Remote control via RS-485
- Special features: motion detection, B/W, mirror
- Convenient back focus adjustment
- Power supply: 220 VAC or 12 VDC/24VAC



Wide dynamic range

The WDR mode allows to provide balanced images with high level of detail, even when intensity of illumination within image varies excessively (e.g., if an indoor camera is pointed towards a window). In this case, thanks to Double Scan CCD, camera uses two different shutter speeds to get two fields later used to generate the final video stream.

Day-and-night surveillance

The STC-3003 is equipped with removable IR cut filter, which allows using the camera day and night. In color mode, the STC-3003 provides 0.5 Lux minimum illumination level. When light level is reduced, IR filter is removed and the camera switches to black/white mode offering 0.04 Lux minimum scene illumination.

IR filter dwell time is set via menu. The STC-3003 can be also switched to black-white/color mode remotely by contact closure (ex. by control output of IR illuminator).

In extremely low-light environment, the camera can activate frame integration algorithm. In this mode, exposure time is increased in accordance with user-selectable ratio, which allows more charge to be accumulated on CCD elements.

Special features

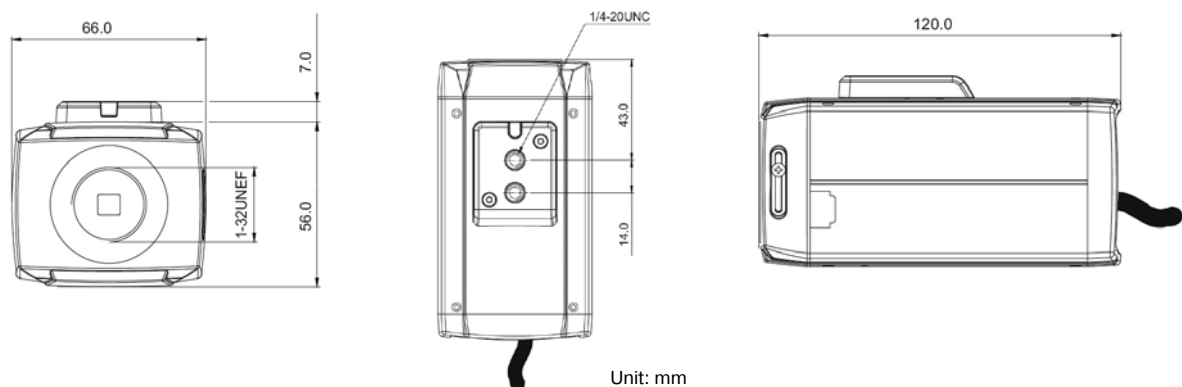
Due to implementation of electronic shutter speed manual adjustment, the STC-3003 can be used to observe fast-moving objects. For instance, if electronic shutter speed is set to 1/250 sec, the camera can be used for highway traffic monitoring including license plate recognition.

The integrated DSP enables contour sharpness enhancement which results in considerable improvement of image perception.

Privacy feature allows to hide from viewing by unauthorized operators up to 16 image areas that might contain confidential information.

In addition to the traditional BNC video output, the camera is also equipped with S-Video connector and twisted pair output (UTP). The built-in UTP-converter (by NVT) converts composite video signal into differential balanced signal for further transmission along twisted-pair cable. In this way, video can be transmitted to distances over 1 km from camera site.

Dimensions



Unit: mm

Specifications

Model:	STC-3003/0	STC-3003/3
Camera Type:	Day/night WDR	
Image Sensor:	1/3" Sony Double Scan CCD	
Picture Elements:	795 (H) x 596 (V)	
Resolution:	580 TVL (color.); 680 TVL (B/W)	
Video Output:	BNC, S-Video, UTP connectors	
Removable IR cut filter:	Yes	
Minimum scene illumination:	0.5 Lux/F1.2, color; 0.04 Lux/F1.2, B/W; 0.001 Lux/F1.2, B/W, frame integration	
S/N Ratio:	>50 dB (AGC OFF)	
Gamma Compensation:	0.45	
Electronic Shutter:	Auto/Off/Manual/ Frame Integration (up to X260)	
Electronic shutter speed:	1/50–1/100000 sec	
White Balance:	AWB/Manual/Outdoor/Indoor/WAWB	
Auto Iris Control:	DC / Video-drive	
Lens Mount:	C/CS	
Function:	Positive/Negative, B/W image, Mirror, Freeze, Motion Detector , Digital Zoom	
Digital Zoom:	Yes	
WDR:	Hardware WDR due to Double Scan CCD	
Synchronization System:	Internal/Line Lock	
Interface:	RS-485 (Pelco-D/P, Fastrax)	
Input Voltage:	220 VAC	12 VDC/24 VAC
Power Consumption:	7 W	3.5 W
Operating Temperature:	-10° to 50°C, < 96%, noncondensing	
Dimensions:	120 mm (L) x 66 mm (W) x 56 mm (H)	
Weight:	450 g	256 g

Accessories

STT-2405U	System keyboard; joystick, Jog-Shuttle, macro keys, built-in LCD Display (16x2); RS-485 (FASTRAX-II, Pelco), control of up to 254 cameras, control of up to 99 DVRs (STR-1681/0882/1682/1690); 1 Master/3 Slave configuration allowed; 220 VAC/12 VDC power adapter supplied.
STT-CN3R1	System keyboard (full-featured, including Variable Speed Control); joystick, built-in LCD Display (Symbol); RS-485 (PELCO-D/P), control of up to 255 cameras, DVR control (STR-0484/0884/1684/0488/0888/1688); 12 VDC power supply.
STB-C01	Wall/ceiling camera bracket; aluminium; 175 mm
STB-C02	Wall/ceiling mount bracket; aluminium; cable feedthrough; 170 mm