

SENTECH

Sentech Color Cased CCD Cameras

STC-500 / STC-600 Series



**Available in High Resolution
and Standard Resolution Models**

High Resolution Models:

STC-620 (NTSC): 1/2" CCD, 480 TVL, 768 (H) x 494 (V) pixels

STC-625 (PAL): 1/2" CCD, 480 TVL, 752 (H) x 582 (V) pixels

STC-630 (NTSC): 1/3" CCD, 480 TVL, 768 (H) x 494 (V) pixels

STC-635 (PAL): 1/3" CCD, 480 TVL, 752 (H) x 582 (V) pixels

STC-640 (NTSC): 1/4" CCD, 480 TVL, 768 (H) x 494 (V) pixels

STC-645 (PAL): 1/4" CCD, 480 TVL, 752 (H) x 582 (V) pixels

Standard Resolution Models:

STC-520 (NTSC): 1/3" CCD, 330 TVL, 510 (H) x 494 (V) pixels

STC-535 (PAL): 1/3" CCD, 330 TVL, 512 (H) x 582 (V) pixels

STC-540 (NTSC): 1/4" CCD, 330 TVL, 510 (H) x 494 (V) pixels

STC-545 (PAL): 1/4" CCD, 330 TVL, 512 (H) x 582 (V) pixels



STC-630CC

Color Camera General Specifications:

Image Sensor:	Interline CCD
Signal Format:	NTSC or PAL Available
Processing:	10 bit DSP (User Programmable)
Horizontal Frequency:	15.734kHz
Vertical Frequency:	59.94 Hz
Sync System:	Internal or External (Model Dependent)
Minimum Illumination:	- STC-530 Series: 0.17 Lux at F1.2 (AGC-ON) (50 IRE) - STC-540 Series: 0.23 Lux at F1.2 (AGC-ON) (50 IRE) - STC-620 Series: 0.3 Lux at F1.2 (AGC-ON) (50 IRE) - STC-630 Series: 0.37 Lux at F1.2 (AGC-ON) (50 IRE) - STC-640 Series: 0.58 Lux at F1.2 (AGC-ON) (50 IRE)
S/N Ratio:	> 48dB (AGC:OFF)
Gamma:	0.45 or 1.0 (DSP Adjustable)
White Balance:	Auto/ Manual
AGC:	ON/OFF Selectable, 0dB to 12dB Range
Electronic Iris:	1/60 - 1/10,000 (Except A & AS models)
Electronic Shutter:	Low Speed: 2, 4, 6, 8, 10, 12, 14, 16 Fields High Speed: 1/60 (1/50), 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000
Video Out:	1.0Vp-p 75 Ω
Y/C Out:	Y/C Output 0.7Vp-p 75 Ω (On Select Models)
Back Light:	Back Light Compensation at Electronic Iris
Negative / Positive:	Selectable
Power Supply:	DC12V
Power Consumption:	150mA
Operating Temperature:	-10° C ~ 45° C (14° F ~ 113° F)
Dimensions:	51 (W) x 51 (H) x 55.5 (D) mm (2.04" x 2.04" x 2.2")

All cameras on this page are available in NTSC and PAL formats

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The Sentech high resolution 600 series, as well as the standard resolution series of the 500 series color cameras, are all available in the following six standard configurations.

For example: To order the 620 series with the CC configuration, the model name would be STC-620CC. To order the 630 Series with the CC Configuration, the model name would be STC-630CC etc.



CC Model

- 12 Pin Hirose Power
- Y/C Out
- HD/VD In
- BNC Connector Video Out
- Y/C Connector Y/C Out
- RS-232 Mini Jack DSP Set Up Camera Control



CT Model

- Power Terminal
- BNC Connector Video Out
- Y/C Connector Y/C Out
- RS-232 Mini Jack DSP Set Up Camera Control
- DC Auto Iris Lens Connector
- Auto Iris Level Control



AS Model

- 12 Pin Hirose Power
- Y/C Out
- BNC Connector Video Out
- Manual Controls Color Brightness Sharpness Gamma



A Model *

- Power Jack
- RCA Connector Video Out
- Manual Controls Color Brightness Sharpness Gamma



BJ Model *

- Power Jack
- BNC Connector Video Out
- DC Auto Iris Lens Connector



BT Model

- Power Terminal
- BNC Connector Video Out
- Auto Iris Level Control
- DC Auto Iris Lens Connector

* STC-620 camera not available with this back panel, except on OEM basis.