

# SENTECH

## Sentech Remote Micro Head Color CCD Cameras

### *Proven Technology, New Package...*

Developed on our popular small cased Color CCD camera products, the STC-R640AS, R640CC, and R640CT microhead cameras offer crisp, high resolution color video images. These cameras offer a micro-packaged 1/4" color CCD in a variety of cable lengths and head orientations. Best of all, Sentech's remote head cameras are only a fraction of what conventional remote head cameras cost.

### STC-R640AS Cased Camera



The STC-R640AS offers users analog control knobs on the rear panel to control the DSP settings of the gain and color balance, BNC connector for composite video out, and a connection for Y/C video out. There is a 12-pin connection for a convenient single connection point for power input and Y/C video out.

### STC-R640CC Cased Camera

The R640CC has a push-to-set auto white balance switch, a RS-232C Serial I/O port for DSP programming, 12-pin connector (for power in, Y/C out, HD/VD inputs, and more), Y/C connector (Y/C video out), and BNC connector for composite video out.

### STC-R640CT Cased Camera

The R640CT offers a terminal strip for secure power connection, Y/C connector (for Y/C video out), BNC connector for composite video out, a push-to-set switch auto white balance, and a BNC connector for VS sync.

### STC-R640 Series Cased Camera Back Panels:



STC-R640AS



STC-R640CC



STC-R640CT

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

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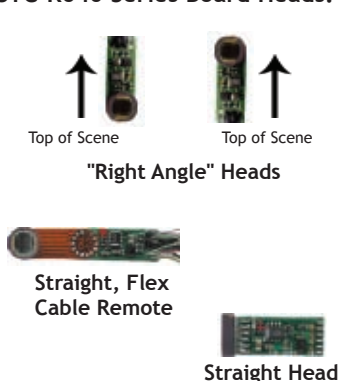
### STC-R640 Series Basic Camera Specifications:

Image Sensor:	1/4" Color CCD
Signal Format:	NTSC, PAL
Effective Pickup Area (H x V):	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Sync Frequency:	15.734 KHz (NTSC) / 15.625 KHz (PAL)
Vertical Sync Frequency:	59.94 Hz (NTSC) / 50.00 Hz (PAL)
Horizontal Resolution:	480 TV Lines
Lens Mount:	Micro and C-Mount (with adapter)
Scanning Systems:	2:1 Interlace
Video Output(s):	Composite and Y/C (available on select models)
Video Output Level:	1.0 Vp-p, 75 Ω
Y/C Video Output Level:	0.7 Vp-p, 75 Ω
Sync System:	Internal/External VS (CT model) / HD/VD (CC model)
S/N Ratio:	>48 dB, AGC Off
DSP:	10-Bit, User Programmable
Gamma:	0.45 (default), DSP Adjustable (32 steps)
Electronic Iris:	1/60 (1/50) - 1/10,000
Electronic Shutter:	1/60 (1/50) - 1/10,000 (8 Steps)
Minimum Illumination:	1.1 Lux @ F1.2, 50 IRE
White Balance:	Manual / Full Auto / Push-to-Set (CC and CT models only)
Serial I/O:	RS-232C Controllable (for DSP)
Operating Voltage:	DC +12V ± 10%
Power Consumption:	220 mA
Operating Temperature:	-10° C ~ +45° C (14° F ~ 113° F)
Dimensions:	
- Cased Camera CCU	51 (W) x 51 (H) x 55.5 (D) mm (2.04" x 2.04" x 2.22")
- Board Version CCU	45 (W) x 45 (H) x 14 (D) mm (1.8" x 1.8" x .56")
- Straight Finished Head	10mm diameter
Weight:	
- Cased Camera CCU	190 g (6.7 oz.)
- Board Version CCU	45 g (1.58 oz.)
Lenses/Adapters:	
LEN-R640L2.7	(2.7 mm, micro package)
LEN-R640L4	(4.0 mm, micro package)
LEN-R640L8	(8.0 mm, micro package)
LEN-R640L16	(16mm, micro package)
LEN-PT47M1	(4.7 mm, micro package, manual iris - OEM Config.)
LEN-R640LC	(C-Mount Adapter)

#### STC-R640 Series Cased Heads:



#### STC-R640 Series Board Heads:



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