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TECHNOLOGY GROUP

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Artisan Technology Group
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STC-620CC/625CC

1/2” CCD
Industrial Color
DSP Camera



(Lens not included)

The STC-620CC series industrial color camera provides excellent performance utilizing 10 bit digital signal processing (DSP). The camera features high quality color reproduction, a 1/2” high resolution IT CCD, electronic shutter to 1/10,000 of a second, RS232C controllable, external sync, Y/C and composite video outputs and a 12 pin connector for easy access of power and Y/C signals. The STC-620CC is available in NTSC and PAL formats.

Features

- **AGC / Manual Gain**
- **RS232C Controllable**
- **Y/C and Composite Outputs**
- **1/2” IT CCD, 768(V) x 494(H)**
- **Electronic Shutter**
- **External Sync, (HD/VD)**
- **Low Speed Shutter**
- **Backlight Compensation**
- **Small size, Lightweight**
- **480 TV Lines**
- **White Balance: Manual, Full Auto**
- **12 pin Connector**
- **10 Bit DSP (User Accessible)**
- **Negative / Positive Reversal**
- **NTSC & PAL Formats**
- **1 Lux Minimum Illumination**
- **12VDC**
- **C Mount**

STC-620CC/625CC

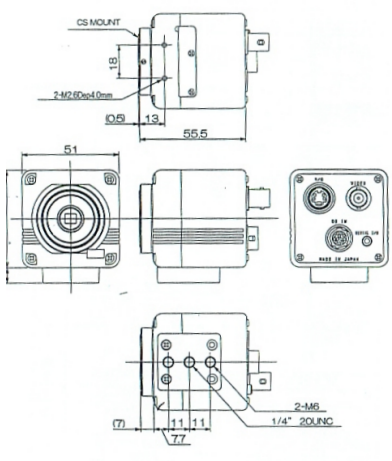
Technical Specifications

STC-620CC

Pick Up Device	1/2” Interline CCD
Picture Elements	768(H) x 494(V)
Signal Format	NTSC
DSP	10 Bit
Horizontal Frequency	15.734kHz
Vertical Frequency	59.94Hz
Lens Mount	C-Mount
Sync System	Internal/External (HD,VD)
Horizontal Resolution	480 TV Lines
Minimum Illumination	1 Lux @ F1.2
S/N Ratio	More than 48dB AGC Off
AGC	On/Off Selectable
Electronic Shutter	1/60-1/10,000 Auto/Fixed
Low Speed Shutter	2Fld-16Fld
White Balance	Manual, Full Auto
Video Output	1.0Vp-p 75 Ohms
Y/C Output	0.7Vp-p 75 Ohms
Gamma	0.45, DSP Adjustable
Serial I/O	RS232C Controllable
Backlight	Activated w/ AGC & Electronic Iris
Negative/Positive	Selectable
Output Connectors	BNC & 12 Pin(Y/C)
Power Requirements	DC10-12V
Power Consumption	180mA
Operating Temp	-10deg. ~+40deg.C 14~104F
Dimensions (mm)	51(W) x 51(H) x 55.5(D)
Weight	190g

STC-625CC

Pick Up Device	1/2” Interline CCD
Picture Elements	752(H) x 582(V)
Signal Format	PAL
DSP	10 Bit
Horizontal Frequency	15.625kHz
Vertical Frequency	50.0Hz
Lens Mount	C-Mount
Sync System	Internal/External (HD,VD), Auto
Horizontal Resolution	480 TV Lines
Minimum Illumination	1 Lux @ F1.2
S/N Ratio	More than 48dB AGC=Off
AGC	On/Off Selectable
Electronic Shutter	1/50-1/10,000 Auto/Fixed
Low Speed Shutter	2Fld-16Fld
White Balance	Manual, Full Auto
Video Output	1.0Vp-p 75 Ohms
Y/C Output	0.7Vp-p 75 Ohms
Gamma	0.45, DSP Adjustable
Serial I/O	RS232C Controllable
Backlight	Activated w/ AGC & Electronic Iris
Negative/Positive	Selectable
Output Connectors	BNC & 12 Pin(Y/C)
Power Requirements	DC10-12V
Power Consumption	180mA
Operating Temp	-10deg. ~+40deg.C(14~104F)
Dimensions (mm)	51(W) x 51(H) x 55.5(D)
Weight	190g



Weights and dimensions shown are approximate. Specifications are subject to change without notice. These products may be subject to export control regulations.



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