

## STC-172BC Series

The STC-172BC is a 1/2" high resolution CCD machine vision camera. The STC-172BC offers integration HOLD feature for special applications. Also, the STC-172BC offers frame/field integration and accepts non-interlace synchronization.



STC-172BC

Images shown not actual size

### Features

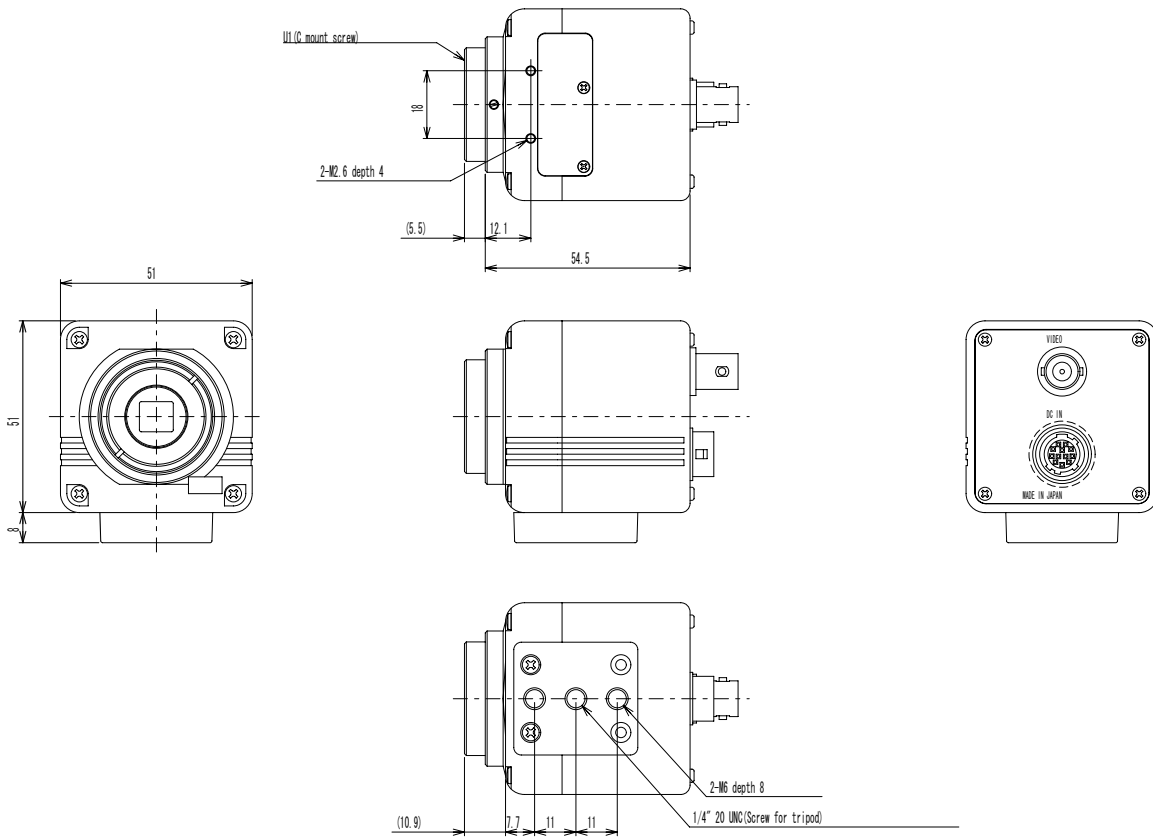
- 1/2" CCD
- Machine Vision
- High Resolution
- Frame/Field Integration
- EIA & CCIR Formats
- Internal or External Sync (HDVD)
- Monochrome
- C-Mount Lens Mount
- HOLD Feature

### Specifications >>

<b>Image Sensor:</b>	B/W 1/2" 768 (H) x 494 (V) IT CCD (ICX418ALL)
<b>Scanning System:</b>	2:1 Interlace
<b>Signal Format:</b>	EIA (CCIR Format also Available - STC-177BC)
<b>Horizontal Resolution:</b>	570 TVL
<b>Vertical Resolution:</b>	<b>Frame Accumulation:</b> 485 TVL <b>Field Accumulation:</b> 350 TVL
<b>Horizontal Frequency:</b>	15.734kHz
<b>Vertical Frequency:</b>	59.94 Hz
<b>Gamma:</b>	0.45 or 1.0 switchable
<b>Sync System:</b>	Internal or External (HD/VD)
<b>Gain:</b>	AGC/Fixed Switchable
<b>Minimum Illumination:</b>	0.13 Lux @ F 1.2 (AGC: On)
<b>Minimum Illumination (H Version):</b>	0.02 Lux @ F 1.2 (AGC: On)
<b>Electronic Shutter:</b>	<b>Field:</b> 1/60 (1/50), 1/100 (1/125), 1/500, 1/1000, 1/2000, 1/4000, 1/10,000 <b>Frame:</b> 1/30 (1/25), 1/60 (1/50), 1/100 (1/125), 1/500, 1/1000, 1/2000, 1/4000, 1/10,000
<b>Video Out:</b>	VS 1.0Vp-p 75Ω
<b>S/N Ratio:</b>	>56dB (AGC Off)
<b>Accumulation Mode:</b>	Frame/Field Switchable
<b>Connectors:</b>	12 Pin Hirose & BNC
<b>Lens Mount:</b>	C- Mount
<b>Dimensions:</b>	51 (W) x 51 (H) x 55.5 (D) mm
<b>Power Supply:</b>	10-12V DC
<b>Power Consumption:</b>	110mA
<b>Operating Temperature:</b>	-10°C ~ +45°C (14°F ~ +113°F)
<b>Storage Temperature:</b>	-30°C ~ 60°C (-22°F ~ 140°F)
<b>Dimensions:</b>	51(W) x 51(H) x 60.5(D)mm (2.04" x2.04" x 2.42")
<b>Weight:</b>	190g (6.7 oz.)

## >> STC-172BC

### Mechanical Drawings



**Note:** (Dimensions are given in mm)