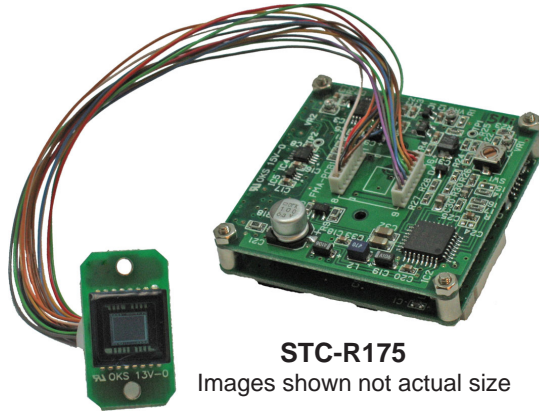


The STC-R170 Series is a 1/3" high resolution remote head CCD machine vision camera in a double board. Small in size, this camera series offers a integration HOLD feature for special applications. Also, the STC-R175 offers both frame and field integration and non-interlace synchronization inputs.



**STC-R175**  
Images shown not actual size

### Features

- 1/3" B/W IT CCD
- High Resolution
- Integration HOLD
- EIA & CCIR Formats
- Compact
- Cost Effective

### Specifications >>

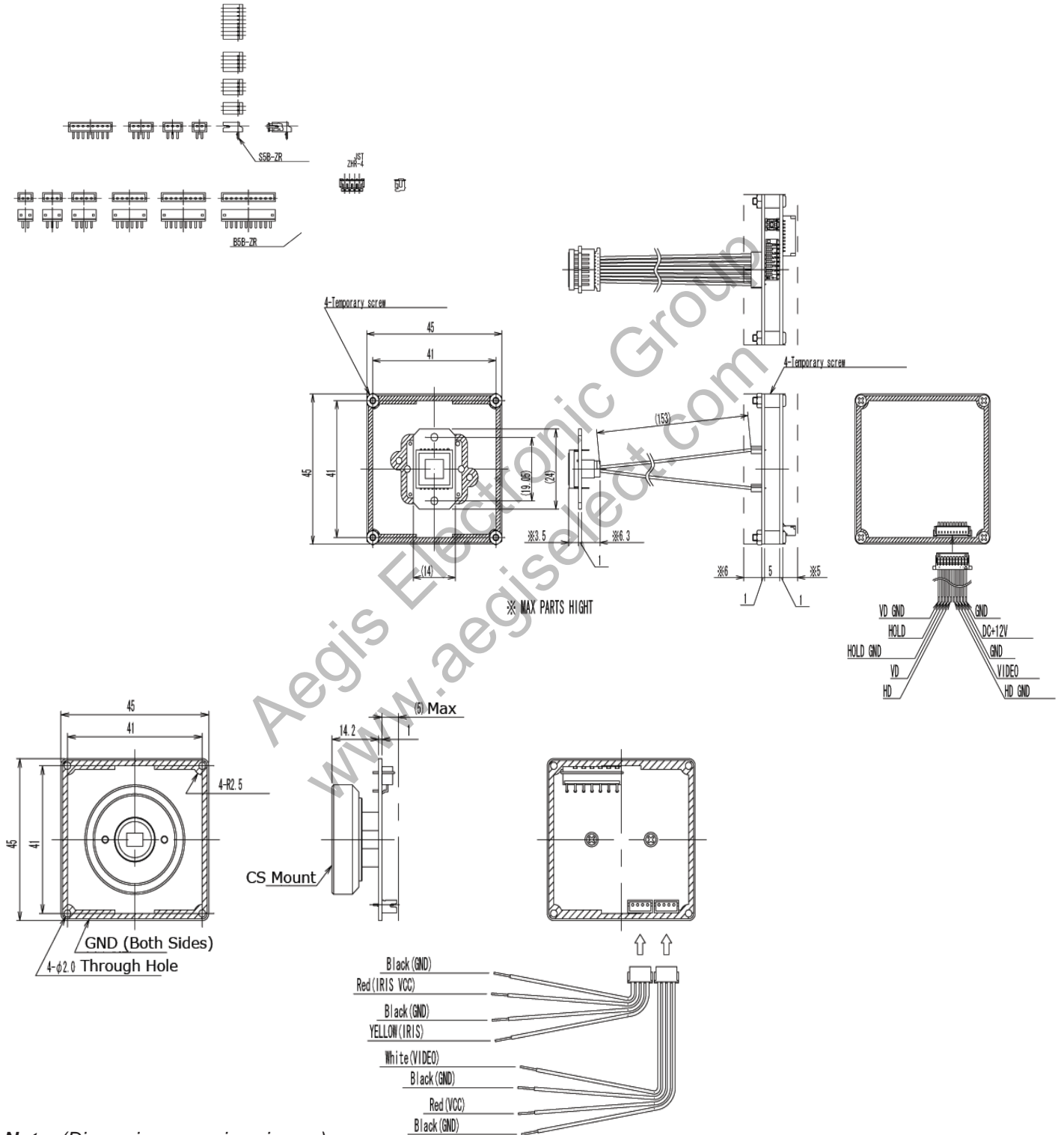
<b>Image Sensor:</b>	Black & White: 1/3" Interline CCD (ICX258AL - NTSC) (ICX259AL - PAL)
<b>Effective Picture Element:</b>	752 (H) x 582 (V)
<b>Signal Formats:</b>	Available in EIA & CCIR formats
<b>Scanning System:</b>	2:1 Interlace / Non Interlace
<b>Horizontal Frequency:</b>	15.734 kHz
<b>Vertical Frequency:</b>	59.97 Hz
<b>Sync System:</b>	Internal / External (HD/VD) Auto Switching by HD Input
<b>Horizontal Resolution:</b>	570 TV Lines
<b>Vertical Resolution:</b>	Frame Accumulation: 485 TV Lines Frame Accumulation: 350 TV Lines
<b>Minimum Illumination (Standard):</b>	0.17 Lux @ F 1.2, 50 IRE
<b>Minimum Illumination (H Version):</b>	0.06 Lux @ F 1.2, 50 IRE
<b>S/N Ratio:</b>	>56dB (AGC Off)
<b>Accumulation Mode:</b>	Frame / Field Switchable
<b>Gamma:</b>	1 (0.45 is available by replacing an onboard-part)
<b>Lens Mount:</b>	Not Attached
<b>AGC:</b>	AGC / Fixed Switchable
<b>Electronic Shutter:</b>	(8 steps) 1/30 to 1/100,000 second (Flickerless Shutter 1/100)
<b>Video Out:</b>	VS 1.0Vp-p 75 Ω
<b>Power Supply:</b>	DC 10.8 - 13.2 V
<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>Weight:</b>	25g (.88 oz.)
<b>Dimensions:</b>	CCU Size: 45 (H) x 45 (W) 18 (D)mm (1" x 1" x .72") CCD Board Size: 25 (H) x 15 (W) (1" x .04")

- Includes all wire harnesses

\* Cable harnesses for power and other input and output signals are provided with each Sentechn board camera.

>> STC-R175

Mechanical Drawings



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

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