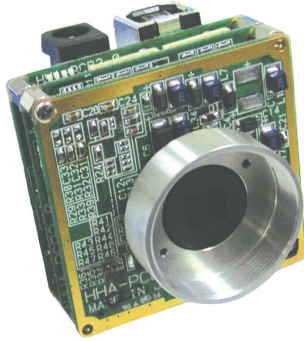


## STC-C33USB-B Series



**STC-C33USB-BTCS**  
Image shown not actual size

### Features

- USB 2.0
- 1/3" Progressive Scan
- VGA
- 0.45 or 1.0 Gamma (Variable Software Set)
- Electronic or Fixed Shutter
- AGC On/Off Selectable
- Compact Size (2.04" x 2.04")
- Sentech SDK Available
- Direct X Driver Available

### Specifications >>

<b>Model Resolution:</b>	VGA	
<b>Signal Format:</b>	Progressive	
<b>Image Sensor:</b>	Color: 1/3" Interline CCD (ICX424AQ)	
<b>Effective Pixels:</b>	659 (H) x 494 (V)	
<b>Imaging Pixels:</b>	640 (H) x 480 (V) at Full Scan 640 (H) x 224 (V) at 1/2 Partial Scan 640 (V) x 80 (V) at 1/4 Partial Scan	
<b>Chip Size:</b>	5.79 (H) x 4.89 (V) mm	
<b>Cell Size:</b>	7.40 (H) x 7.40 (V) $\mu$ m	
<b>Horizontal Drive Frequency:</b>	24.5454MHz	
<b>Scanning System:</b>	Progressive	
<b>Maximum Frame Rate:</b>	<b>(Full Scan)</b> High Speed: 59.94 fps Middle Speed: 29.97 fps Low Speed: 14.99 fps  <b>(At 1/4 Partial Scan)</b> High Speed: 242.07 fps Middle Speed: 121.03 fps Low Speed: 60.52 fps	<b>(1/2 Partial Scan)</b> High Speed: 120.57 fps Middle Speed: 60.28 fps Low Speed: 30.14 fps
<b>Data Format:</b>	8bit	
<b>Sync System:</b>	Internal	
<b>Inputs and Outputs:</b>	USB 2.0 High Speed	
<b>Minimum Illumination:</b>	3.6 Lux @ F1.2	
<b>Power Voltage:</b>	+5V via USB Cable	
<b>Power Current:</b>	Nominal 350mA	
<b>Gain:</b>	Auto/Manual (Software Selectable)	
<b>Gamma:</b>	Manual (Software Selectable)	
<b>White Balance:</b>	Auto/ Manual/ One-Shot (Software Selectable)	
<b>Electronic Shutter:</b>	Auto (Electronic Iris)/Manual (Software Selectable)	
<b>Operating Temperature:</b>	-10°C ~ 45°C (23°F ~ 113°F)	
<b>Storage Temperature:</b>	-30°C ~ 60°C (-22°F ~ 140°F)	
<b>Dimensions:</b>	45 (W) x 45 (H) (1.8" x 1.8" )	
<b>Weight:</b>	45g (1.58 oz.)	

## >> STC-C33USB-B

### Lenses & Mounts

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- CS Mount
- C Mount (with adapter)
- Fixed Lens

### Software Accessories

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- **Image viewing software and USB driver included with camera**
- **SDK (Software Development Kit) sold separately**
  - SDK Functions Include
    - 1) Bayer Filter Color Interpolation
      - Nearest Neighbor Replication
      - Bilinear (Bilinear Interpolation)
      - BiCubic (Cubic Convolution)
    - 2) White Balance (Auto/Manual/One Shot)
    - 3) Electronic Shutter Control (Auto (Electronic Iris)/Manual (Fixed Shutter))
    - 4) Image Filing
    - 5) Others

### System Requirements

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- **Operating System: Microsoft Windows 2000 (SP4) /XP (SP2)**
- **USB Port: USB 2.0**

## >> STC-C33USB-B

### Mechanical Drawings

Note: (Dimensions are given in mm)

STC-C33USB-BTCS (Top Connection)

