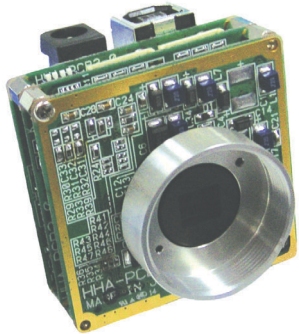


STC-C83USB-B Series



STC-C83USB-BTCS
Image shown not actual size

Features

- USB 2.0
- 1/3" Progressive Scan
- XGA
- 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 >>

Model Resolution:	XGA	
Signal Format:	Progressive	
Image Sensor:	Color: 1/3" Interline CCD (ICX204AK)	
Effective Pixels:	1034 (H) x 779 (V)	
Imaging Pixels:	1024 (H) x 768 (V) at Full Scan 1024 (H) x 344 (V) at 1/2 Partial Scan 1024 (V) x 136 (V) at 1/4 Partial Scan	
Chip Size:	5.80 (H) x 4.92 (V) mm	
Cell Size:	4.65 (H) x 4.65 (V) μm	
Horizontal Drive Frequency:	29.5MHz	
Scanning System:	Progressive	
Maximum Frame Rate:	(Full Scan) High Speed: 29.18 fps Middle Speed: 14.59 fps Low Speed: 7.30 fps (At 1/4 Partial Scan) High Speed: 120.35 fps Middle Speed: 30.01 fps Low Speed: 30.09 fps	(1/2 Partial Scan) High Speed: 60.02 fps Middle Speed: 30.01 fps Low Speed: 15.01 fps
Data Format:	8bit	
Sync System:	Internal	
Inputs and Outputs:	USB 2.0 High Speed	
Minimum Illumination:	9.5 Lux @ F1.2	
Power Voltage:	+5V via USB Cable	
Power Current:	Nominal 350mA	
Gain:	Auto/Manual (Software Selectable)	
Gamma:	Manual (Software Selectable)	
White Balance:	Auto/ Manual/ One-Shot (Software Selectable)	
Electronic Shutter:	Auto (Electronic Iris)/Manual (Software Selectable)	
Operating Temperature:	-10°C ~ 45°C (23°F ~ 113°F)	
Storage Temperature:	-30°C ~ 60°C (-22°F ~ 140°F)	
Dimensions:	51 (W) x 51 (H) x 41.6(D) (2.04" x 2.04" x 1.66"(D))	
Weight:	145g (5.11 oz.)	

>> STC-C83USB-B

Lenses & Mounts

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

Software Accessories

- **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

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

>> STC-C83USB-B

Mechanical Drawings

Note: (Dimensions are given in mm)

STC-C83USB-BTCS (Top Connection)

