

STC-C33USB-A Series



STC-C33USB-AT
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 >>

Model Resolution:	VGA	
Signal Format:	Progressive	
Image Sensor:	Color: 1/3" Interline CCD (ICX424AQ)	
Effective Pixels:	659 (H) x 494 (V)	
Imaging Pixels:	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	
Chip Size:	5.79 (H) x 4.89 (V) mm	
Cell Size:	7.40 (H) x 7.40 (V) μ m	
Horizontal Drive Frequency:	24.5454MHz	
Scanning System:	Progressive	
Maximum Frame Rate:	(Full Scan) High Speed: 59.94 fps Middle Speed: 29.97 fps Low Speed: 14.99 fps (At 1/4 Partial Scan) High Speed: 242.07 fps Middle Speed: 121.03 fps Low Speed: 60.52 fps	(1/2 Partial Scan) High Speed: 120.57 fps Middle Speed: 60.28 fps Low Speed: 30.14 fps
Data Format:	8bit	
Sync System:	Internal	
Inputs and Outputs:	USB 2.0 High Speed	
Minimum Illumination:	3.6 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-C33USB-A

Lenses & Mounts

- CS Mount
- C Mount (with adapter)

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

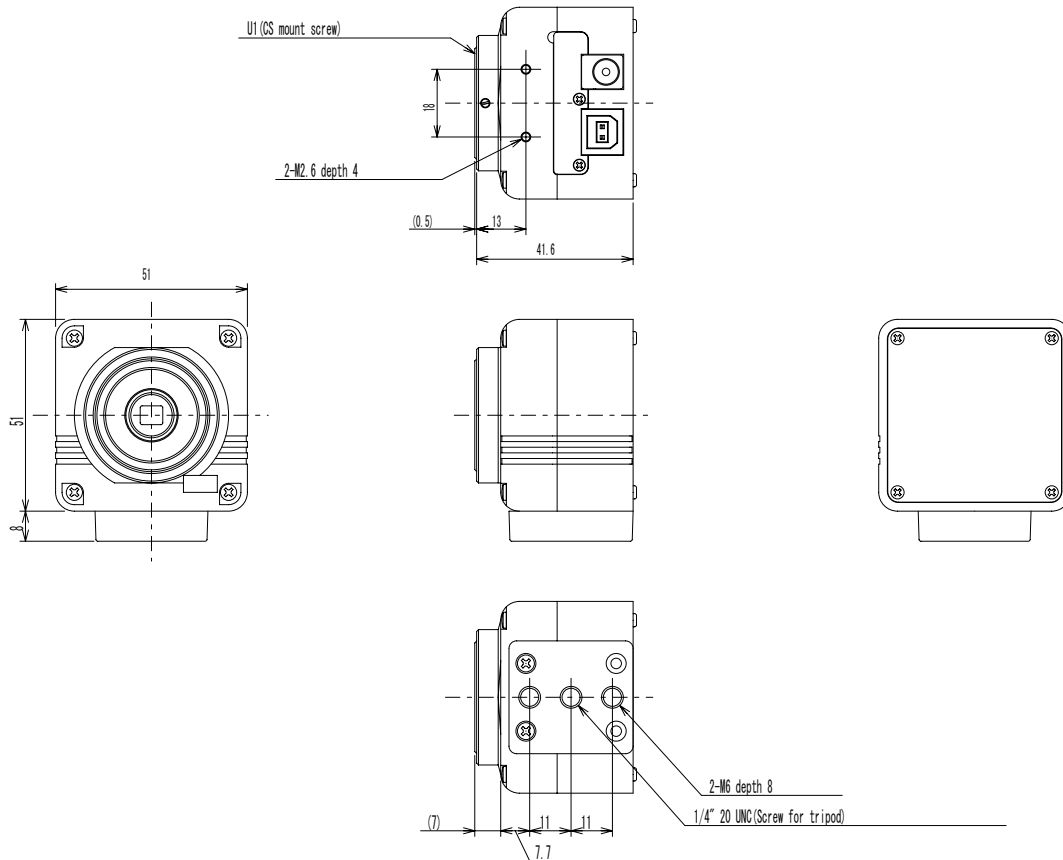
- Operating System: Microsoft Windows 2000 (SP4) /XP (SP2)
- USB Port: USB 2.0

>> STC-C33USB-A

Mechanical Drawings

Note: (Dimensions are given in mm)

STC-C33USB-AT (Top Connection)



>> STC-C33USB-A

Mechanical Drawings

Note: (Dimensions are given in mm)

STC-C33USB-AS (Back/Straight Connection)

