

1.3MP USB3 Vision Camera 60fps Global Shutter

NEW

High Speed 1.3MP CMOS

STC-MBE132U3V 【Mono】

STC-MCE132U3V 【Color】

Sentech has launched a brand new line of USB 3.0 cameras that adhere to the USB3 Vision Standard. This camera features 60fps at 1.3MP resolution, along with full AOI capabilities. The STC-MC(B)E132U3V utilizes Global Shutter to allow moving objects to be shot without problem. All of the power and precision of machine vision combines with the simplicity of USB 3.0 interface to achieve industrial camera bliss.



Features

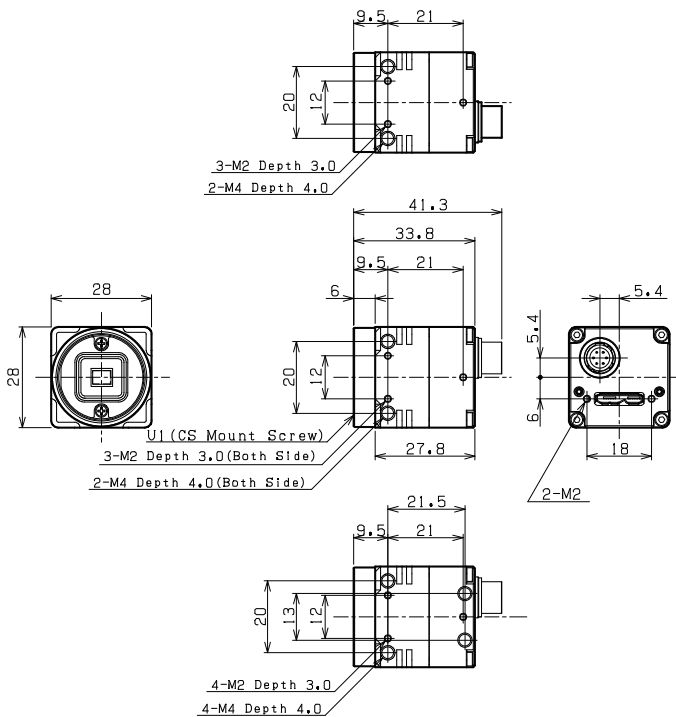
- 1280(H) x 1024(V)
- 5.3 μm x 5.3 μm
- 60FPS
- 1/1.8" e2v Sensor
- USB Vision
- Global Shutter
- USB3.0 MicroB Connector
- 28x28x33.8mm (excluding connector)

Specifications

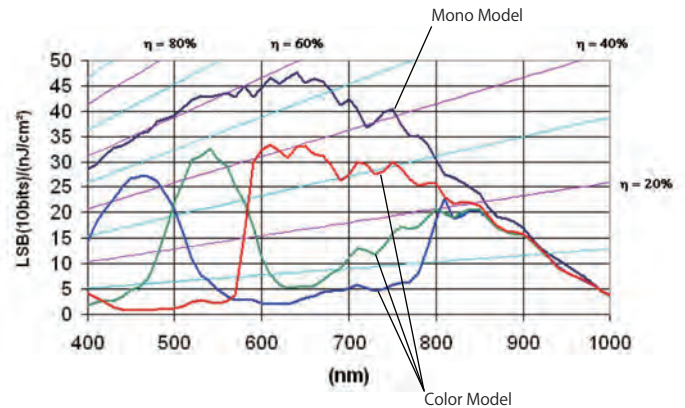
Model Numbers	: STC-MCE132U3V (Color) • STC-MBE132U3V (Mono)
Image Sensors	: 1/1.8" 1.3MP CMOS e2V EV76C560ACT-EQT (Color) e2V EV76C560ABT-EQV (Mono)
Effective Pixels	: 1280(H) x 1024(V)
Pixel Cell Size	: 5.3(H) x 5.3 (V) μm
Scanning Method	: Progressive Scan
Shutter Type	: Rolling Shutter / Global Shutter
Scan Mode	: Full Scan / AOI
Frame Rate :	<ul style="list-style-type: none"> • 1.3M(1280 x 1024) : 60fps (Raw8/10bit), 55fps(RGB8) • XGA(1024 x 768) : 80fps (Raw8/10bit), 71fps(RGB8) • VGA(640 x 480) : 127fps (Raw8/10bit), 106fps(RGB8) • Minimum AOI(32 x 32) <ul style="list-style-type: none"> : 1222fps(Raw8/10bit, Rolling Shutter) : 1270fps(Raw8/10bit, Global Shutter) : 416fps(Raw8/10bit, Rolling Shutter) : 424fps(Raw8/10bit, Global Shutter)
Video Output Format	: RGB8,RAW8bit/10bit(Color) • RAW8bit/10bit(Mono)
S/N Ratio (8bit)	: less than 3 Digit (Gain 0 dB)
Minimum Illumination	: 28.14 lux at F1.2 (Color) • 0.26 lux at F1.2 (Mono)
ALC	: Auto Shutter / Gain Auto / Manual
Electronic Shutter	: Exposure Time: 16 μs ~ 0.97s
Gain	: Analog 0 ~ 11.97dB

	: Digital x0.00 ~ x7.98
Offset	: Digital 0 ~ 255(12bit)
AOI	: Horizontal : 32 ~ 1280 pixels / Vertical : 32 ~ 1024 lines Minimum Increment : 4 horizontal pixels / 4 vertical lines
Binning	: Horizontal 1/2, Vertical 1/2 ※Horizontal & Vertical Binning Sum cannot be set separately ※This will not increase the frame rate
Skipping	: Horizontal 1/2,1/4 Vertical 1/2,1/4 ※Vertical & Horizontal can be set separately ※This will increase the frame rate
Mirror Image	: Horizontal Flip / Vertical Flip / Vertical & Horizontal Flip
Pixel Defect Correction	: 32 points maximum(Default : ON)
White Balance	: Manual / One-Shot / No Auto
Operating Modes	: Free-run / Edge Preset Trigger
Frame Memory	: One Frame
Interface	: USB3.0 Super speed (USB3.0 Micro B)
IO Input & Output	: 2 Input / 2 Outputs
Input Voltage	: +5(typ.) (USB Standard)
Power Consumption	: less than 2.0 W

Dimensions



Spectral Sensitivity



※Specifications are subject to change without notice.