

1.3M/5M GigE Vision 61fps/14fps CMOS



High-Speed 1.3M / 5M CMOS

STC-SBE132POE 【1.3M Mono】

STC-SCE132POE 【1.3M Color】

STC-SBA503POE 【5M Mono】

STC-SCA503POE 【5M Color】

Sentech has added two new cameras to the CMOS GigE Vision line up.
The 1.3MP e2v camera features 61 fps, and the 5MP Aptina camera features 14 fps.



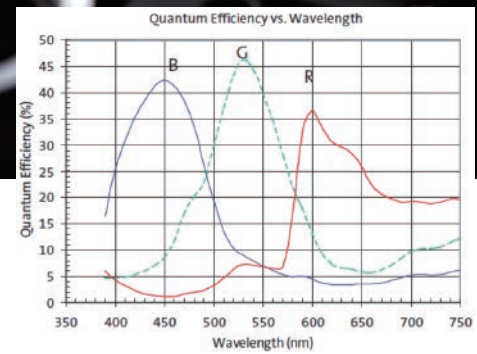
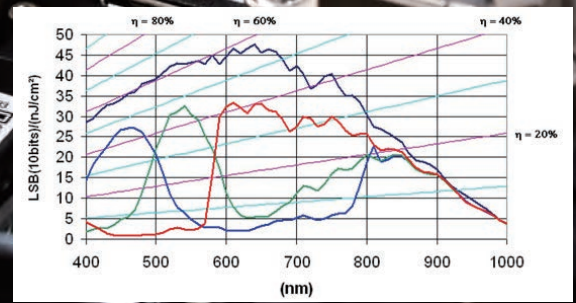
Product Features

- 1.3M
1280(H) x 1024(V) 61fps
5.3 μm x 5.3 μm
Global Shutter
- GigE Vision
- 5M
2592(H) x 1944(V) 14fps
2.2 μm x 2.2 μm
Rolling Shutter
- PoE / External Power

Specifications

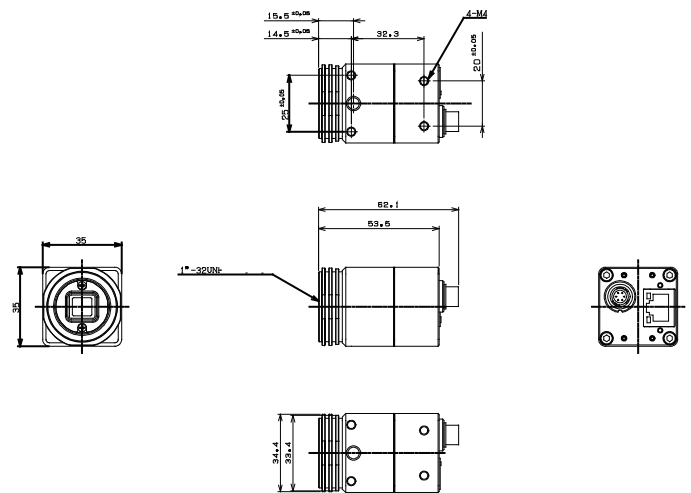
Model Number	: STC-SCA503POE (1.3M Color)
	: STC-SBA503POE (1.3M Monochrome)
	: STC-SBE132POE (5M Color)
	: STC-SBE132POE (5M Monochrome)
Image Sensor	: 8Mpixel CMOS (e2V EV79)
	: 2.5Mpixel CMOS (Aptina MT9P031112S17)
Shutter Type	: Global Shutter - (1.3M)
	: Rolling Shutter - (5M)
Effective Pixels	: 1280(H) x 1024(V) (1.3M)
	: 2592(H) x 1944(V) (5M)
Pixel Cell Size	: 3.74(μ) x 5.50(μ) (1.3M)
	: 5.7(μ) x 8.1(μ) (5M)
Frame Rate	: • 1.3M
	: 61 fps (Full Resolution)
	: 14fps (Full Resolution)
	: 6.8835 ~ 61.0519 fps (Variable AOI)
	: Maximum Frame Rate: 1272.32 fps (AOI 32 x 32)
	: 14fps (Full Resolution)
	: 6.8835 ~ 14 fps (Variable AOI)
	: Maximum Frame Rate: 366 fps (AOI 32 x 32)
Noise Levels	: 8 Bit Output TBD digit or less (Gain 0 dB)
	: 10 Bit Output TBD digit or less (Gain 0 dB)
Min. Illumination	: TBD Lux at F1.2 (Color)
	: TBD Lux at F1.2 (Monochrome)
Video Format	: • 1.3M
	: RGB8bit, RAW8bit/10bit, BayerRG10Packed (Color)
	: RAW8bit/10bit, Mono10Packed (Monochrome)
	: • 5M
	: BGR8bit, RAW8bit/10bit/12bit,
	: BayerRG10Packed/12Packed (Color)
	: RAW8bit/10bit/12bit (Monochrome)
Interface	: IEEE802.3 (1000BASE-T)
Protocol	: GigE Vision® 1.2 and GenICam™ 2.0 compliant
Exposure Time	: 10 μ sec ~ 1,000,719 μ sec (1.3M)
	: 32 μ sec ~ 16,777,215 μ sec (5M)
ALC	: Auto Shutter / Auto Gain
Digital Gain	: 1 ~ 2.99 dB
Analog Gain	: 1 ~ 1.859 dB (1.3M)
	: 1 ~ 7.875 dB (5M)
Gamma	: Gamma = 1.0 / read-write
White Balance	: Auto, Manual, Push to Set White Balance (Color)
Operating Mode	: Edge Preset Trigger / Pulse Width Trigger
Input / Output	: 1 Input (opt isolated) / 2 Output (open collector)
Input Voltage	: +10.8 ~ +26.4 Vdc
	: Power Over Ethernet (IEEE802.3af compliant)
Dimensions	: 35 (W) x 35 (H) x 54.3(D) mm (1.3M Color)
	: 35 (W) x 35 (H) x 53.5(D) mm (1.3M Monochrome, 5M)
Optical Filter	: IR Cut Filter (Color)
Lens Mount	: C Mount
External Connector	: RJ45 Connector
I/O Connector	: HR10A-7R-6PB (Hirose) or equivalent
Mounting	: 1/4" Camera mount holes on the top and bottom
M4 Mounting Holes	: 4 each on the top and bottom, 2 each on both sides
Weight	: Approx. 100g
Compliance	: RoHS Compliant

Spectral Sensitivity



Dimensions

STC-SBE132POE / STC-SCA503POE / STC-SBA503POE



※Specifications are subject to change without notice.