



# 2.3MP CMOS USB3 Vision 163fps Global Shutter

## Sentech USB3 Vision Camera

### STC-MBS241U3V 【Mono】

### STC-MCS241U3V 【Color】

Sentech is excited to present the brand new STC-MCS241U3V Sony CMOS Sensor camera. The STC-MCS241U3V features a 1/1.2" Sony CMOS Sensor, 2.3 Megapixel Resolution, 163 FPS, and a multitude of other functions. If high quality at a great price is what you need, look no further!



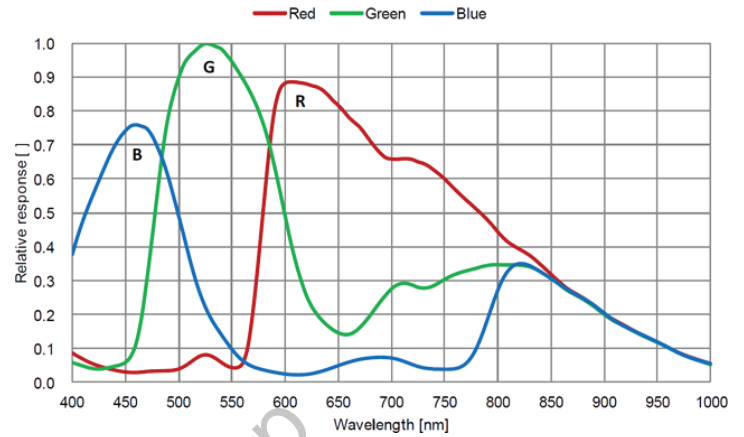
#### Features

- 1920 (H) x 1200 (V)
- 5.86  $\mu\text{m}$  x 5.86  $\mu\text{m}$
- 1/1.2" CMOS Sensor
- 163 FPS
- Global Shutter
- C Mount
- USB 3.0 Interface
- 28 x 28 x 40 mm (excluding connector)

## Specifications

Model Numbers	: STC-MCS241U3V (Color) STC-MBS241U3V (Monochrome)
Image Sensor :	: 1/1.2" 2.3M Color CMOS (Sony: IMX174) 1/1.2" 2.3M Mono CMOS (Sony: IMX174)
Shutter Type	: Global Shutter
Active Picture	: 1920 (H) x 1200 (V)
Elements	
Cell Size	: 5.86 (H) x 5.86 (V) $\mu\text{m}$
Scanning Mode	: Full Scanning, Variable AOI (Horizontal / Vertical)
Frame Rate	: 163 fps
Sync System	: Internal
Video Output::	: RAW8bit / 10 bit/12bit
S/N Ration	: < 3 Digital (Gain 0 db)
ALC	: AE, AGC (Default: AE: OFF, AGC: OFF)
Electronic Shutter:	: Exposure Time: 18.6 usec to 20sec (Full Scan mode, RAW8bit) Exposure Time: 18.6 usec to 20sec (Full Scan mode, RAW10bit / RAW12bit)
Interface	: USB 3.0 Super speed (USB3.0 Micro B)
Gain	
- Analog	: 0 ~ 24 dB
- Digital:	: 0 ~ 6 dB
Offset - Analog	: RAW8bit: 0 to 31 digit, RAW12bit: 0 to 511 digit
Mirror Image	: Horizontal , Vertical, Horizontal & Vertical (Default: OFF)
Pixel Blemish	: Up to 64 pixels (Default:ON)
Correction	
White Balance	: Auto / Manual / One shot (Default: Manual) (Color)
Operating Mode	: Free-run / Edge Preset Trigger / Pulse Width Trigger / Start and Stop Trigger
Input / Output	: Three GPIO. One Camera Hardware Reset
Power	
- Input Voltage	: +5V (typ.) (Conform to USB Standard)
- Consumption	: Less than 4.0 W
Dimensions	: 28 (W) x 28 (H) x 40 (D) mm (excluding connectors)
Optical Filter	: IR Cut Filter (Color) No IR Cut Filter (Mono)
Lens Mount	: C Mount
Weight	: Approximately 48 g
RoHS Compliance	: RoHS Compliant

## Spectral Sensivity



## Dimensions

