Sentech GigE Vision Camera

STC-SBS241POE  [Mono]
STC-SCS241POE  [Color]

Sentech is excited to present the brand new STC-SCS241U3V Sony CMOS Sensor camera. The STC-SCS241U3V features a 1/1.2” Sony CMOS Sensor, 2.3 Megapixel Resolution, 45 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 μm x 5.86 μm
- 1/1.2” CMOS Sensor
- 45 FPS
- Global Shutter
- C Mount
- PoE / 6 Pin Connector
- 35 x 35 x 53.4 mm (excluding connector)
Specifications

Model Numbers:
- STC-SCS241POE (Color)
- STC-SBS241POE (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) µm

Scanning Mode:
- Full Scanning (Full Resolution) / ROI

Frame Rate:
- 45 fps

Sync System:
- Internal

Video Output:
- 8 / 10 / 12 bit RAW, BayerGR 8 / 10 / 12, BayerGR10 / 12Packed, RGB8Packed (Default: 8bit)

Noise Level:
- @ 8bit output: ≤ 1.3 Digital (Gain 0 db)
- @ 10bit output: ≤ 5.5 Digital (Gain 0 db)
- @ 12bit output: ≤ 22 Digital (Gain 0 db)

ALC:
- Auto Shutter / Auto Gain / Manual
  (Default: Auto Shutter: OFF, AGC: OFF)

Electronic Shutter:
- 30 useconds to 16,777,215 useconds

Gain
- Analog:
  - 0 – 24 dB (Default: 0 dB)
- Digital:
  - 0 – 6 dB (Default: 0 dB)

ROI:
- Horizontal: 16 to 1920 pixels / Vertical: 2 to 1200 pixels
  Adjustable steps for the image size: 8 pixels horizontal and 2 lines vertical, Adjustable steps for offset: 8 pixels horizontal / 2 lines vertical.

Gamma:
- Gamma 1.0 or uploadable gamma table (Default 1.0)

Binning Function:
- Not Supported

Decimation Function:
- Individual x 2 Horizontal, Vertical decimation

Mirror Image:
- Horizontal / Vertical / Horizontal & Vertical / Off (Default: Off)

ROI Function:
- Variable ROI settings through the communication

White Balance:
- Auto / Manual / Push-to-Set (Default: Manual) (Color only)

Operating Mode:
- Free-run / Edge Preset Trigger / Pulse Width Trigger
  (Default: Free Run)

Communication:
- UART communication through the Ethernet Port

Interface:
- IEEE802.3af CLASS2 (1000BASE-T)

Protocol:
- GigE Vision 1.2* and Genicam™ Standard Version 2.1 (SFNC 1.4)

Input / Output:
- One opt-isolated input and two open collector outputs

Power
- Input Voltage:
  - + 10.8 to 26.4 Vdc
- Consumption:
  - TBD (+12V: 3.0W, +24V: 3.6W, PoE: 3.0W)

Dimensions:
- 35 (W) x 35 (H) x 53.4 (D) mm (Excluding connectors) (Color)
- 35 (W) x 35 (H) x 53.7 (D) mm (Excluding connectors) (Mono)

Optical Filter:
- IR Cut Filter (Color only)

Lens Mount:
- C Mount

Connectors:
- RJ45 Connector

Weight:
- Approx. 100g

Stand. Compliancy:
- EMS: EN61000-6-2, EMI: EN55011, RoHS Compliant

Spectral Sensivity

Dimensions

※Specifications are subject to change without notice.