2M/4M GigE Vision Camera
50fps/25fps Global Shutter

High-Speed 2M / 4M CMOS

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Recently Sentech added 2 megapixel and 4 megapixel high speed models to our GigE Vision product line. With a high speed 50fps (2M) or 25fps (4M), productivity can be increased with ease. Both cameras are designed for Power over Ethernet and do not require a separate power supply.

- 2M: 2048(H) x 1088(V) 50fps
- 4M: 2048(H) x 2048(V) 25fps
- 5.5 μm x 5.5 μm
- 2M: 2/3”, 4M: 1”
- Global Shutter
- PoE / External Power
- 35 x 35 x 55.9 mm (Excluding Connectors)
- GigE Vision

www.SentechAmerica.com
Specifications

- **Model Numbers**: STC-CMC2MPOE (2M Color), STC-CMB2MPOE (2M Mono), STC-CMB2MPOE-IR (2M NIR), STC-CMC4MPOE (4M Color), STC-CMB4MPOE (4M Mono), STC-CMB4MPOE-IR (4M NIR)
- **Image Sensors**: 2/3" 2M CMOS (CMOSIS CMV2000), 1/4" 4M CMOS (CMOSIS CMV4000)
- **Shutter Type**: Global
- **Effective Pixels**: 2048 (H) x 1088 (V) (2M), 2048 (H) x 2048 (V) (4M)
- **Pixel Cell Size**: 5.5 (H) x 5.5 (V) μm
- **Frame Rate**: 50 fps (full image size), 25fps @ 10-bit output
  - 1 fps (with AOI settings)
  - Max frame rate of 780fps with V. size of 32 pixels
- **Frame Rate**: 25fps (full image size), 12.5fps @ 10-bit output
  - 1 fps (with AOI settings)
  - Max frame rate of 780fps with V. size of 32 pixels
- **Noise Level**: Less than 3 digits at 8-bit output (Gain=0dB)
  - Less than 12 digits at 10-bit output (Gain=0dB)
- **Minimum Scene**: TBD Lux at F1.2 (2M Color)
- **Illumination**: 0.12 Lux at F1.2 (2M Mono), 0.09 Lux at F1.2 (2M NIR), TBD Lux at F1.2 (4M Color), TBD Lux at F1.2 (4M Mono), TBD Lux at F1.2 (4M NIR)
- **Video Format**: 8/10 bit Raw Data, RGB 8 bit (Color)
  - 8/10 bit Raw Data (Mono, IR)
- **Interface**: IEEE802.3 (1000BASE-T)
- **Protocol**: GigE Vision™ 1.2 & GenICam™ 2.0 compliant
- **Exposure Time**: 25 μsec ~ 2,000 msec
- **ALC**: Electronic Iris and AGC on and off
- **Digital Gain**: 1 ~ 3x
- **Gamma**: 1.0 or up to loadable Gamma table
- **Color Interpolation**: Included (Color Model Only)
- **White Balance**: Auto, Manual, & Push to Set White (Color Model Only)
- **Operating Modes**: Edge Preset Trigger & Pulse Width Trigger
- **Communication**: UART through Ethernet port
- **Input/Output**: 1 input (opt isolated), 2 outputs (3.3V LV TTL)
- **Input Voltage**: +10.8 ~ +26.4 Vdc
- **Power**: TBD
- **Consumption**: 35 (W) x 35 (H) x 55.9(D) mm (excluding connectors)
- **Optical Filter**: Not Included
- **Lens Mount**: C Mount
- **Ethernet Connector**: RJ45
- **Power & I/O**: HR10A-7R-6PB (or equivalent)
  - 1/4" Mount Holes: 1/4" Camera mount holes on top and bottom
  - M4 Mounting Holes: 4 each on the top and bottom, 2 each on both sides
- **Weight**: TBD
- **Compliance**: RoHS Compliant

Spectral Response

- **QE (%)**
  - Color Model
  - NIR Model

Dimensions

- **Dimensions**: 35 (W) x 35 (H) x 5.9 (D) mm (excluding connectors)

※Product Specifications may change without notice.

SENTECH
1345 Valwood Pkwy, Suite 320 Carrollton, TX 75006
TEL : 972-481-9223 www.sentechamerica.com E-mail : sales@sentechamerica.com