

SENTECH

CoaXPress Series

NEW

Sentech CoaXPress Cameras

CoaXPress



CMOSIS
image sensors

Features

- CoaXPress Compliant
- Color and Monochrome
- CMOS Sensors
- Increased Frame Rate via ROI
- Global Shutter Sensors
- High Dynamic Range
- Pixel Defect Correction
- Small Form Factor
- 4 to 12MP Resolutions
- High Frame Rates from 180 to 142 FPS

www.sentechamerica.com



CoaXPRESS Models

Model Numbers : STC-CMB401ACXP (Monochrome)
 Imager : 1" 4 MP Progressive CMOS (CMV-4000)
 Shutter Type : Global Shutter
 Active Picture : 2048 (H) x 2048 (V)
 Elements
 Chip Size : 22.5 x 16.9 mm
 Cell Size : 5.5 (H) x 5.5 (V) μm
 Scanning System : Progressive
 Scanning Method : Full Scanning / Variable ROI
 Frame Rate : 142.5 FPS
 Video Interface : CXP-6 (6.25 Gbps) 1 Lane
 Sync. System : Internal
 Digital Gain : 0 to 13.9dB (Default 0 dB)
 Trigger Mode : Free Run / Edge Preset Trigger / Pulse Width Trigger
 / CXP Trigger Packet
 Communication : Protocol: CoaXPRESS Standard Version 1.1
 Interface: GenIcam
 I/O : 3 General Purpose IO
 Binning : N/A
 HDR : Supported
 Pixel Defect : Supported
 Correction
 Vertical Line : Supported
 Correction
 Input Source : PoCXP
 Input Voltage : 18.5 Vdc to 26 Vdc
 Dimensions : 40 (W) x 40 (H) x 26.5 (D) mm (excluding connector)
 Optical Filter : No IR Cut Filter
 Lens Mount : N/A
 Weight : Approx. 126g

Model Numbers : STC-CMB120ACXP (Monochrome)
 STC-CMC120ACXP (Color)
 Imager : 1.76" 12 MP Progressive CMOS (CMV-12000)
 Shutter Type : Global Shutter
 Active Picture : 4096 (H) x 3072 (V)
 Elements
 Chip Size : 22.5 x 16.9 mm
 Cell Size : 5.5 (H) x 5.5 (V) μm
 Scanning System : Progressive
 Scanning Method : Full Scanning / Variable ROI
 Frame Rate : 180 FPS
 Video Interface : CXP-6 (6.25 Gbps) 4 Lane
 Sync. System : Internal
 Digital Gain : 1 to x5
 Analog Gain : x1, x2, x3
 Trigger Mode : Free Run / Edge Preset Trigger / Pulse Width Trigger
 / CXP Trigger Packet
 Communication : Protocol: CoaXPRESS Standard Version 1.1
 Interface: GenIcam
 ROI : 16 pixels Horizontal, 4 lines Vertical
 I/O : 3 General Purpose IO
 Binning : N/A
 HDR : Supported
 Pixel Defect : Supported
 Correction
 Vertical Line : Supported
 Correction
 Input Source : PoCXP, (IO Connector CH1 only)
 Input Voltage : 18.5 Vdc to 26 Vdc
 Dimensions : 68 (W) x 68 (H) x 40 (D) mm (excluding connector)
 Optical Filter : No IR Cut Filter
 Lens Mount : M42 x P1.0, FB = 10mm
 Weight : Approx. TBD

Notes

※Specifications are subject to change without notice.