

# 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](http://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) um  
 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) um  
 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.