

Product Line-Up

Model Numbers	STC-MBS510CXP6 (Monochrome) STC-MCS510CXP6 (Color)
Image Sensor	2/3" 5M CMOS (SONY : IMX250)
Shutter type	Global
Effective Pixels	2448 (H) x 2048 (V)
Cell Size	3.45 (H) x 3.45 (V) μm
Scanning method	Full scanning ROI
Maximum Frame Rate	CXP-6 8bits : 98fps / 10bits : 80fps / 12bits : 68fps CXP-3 8bits : 57fps / 10bits : 45fps / 12bits : 38fps
ADC bits width	12bits
Image Format	Mono8 / Mono10 Packed Msb / Mono12 Packed Msb BayerRG8 / BayerRG10 Packed Msb / BayerRG12 Packed Msb
Noise Level	Less than 6 digits (Gain 0 dB , 8bits) Less than 12 digits (Gain 0 dB , 10bits Packed) Less than 48 digits (Gain 0 dB , 12bits Packed)
Sensitivity	Monochrome 110 Lux (8bits) , 440 Lux (10bits Packed , 12bits Packed) Color 210 Lux (8bits) , 820 Lux (10bits Packed , 12bits Packed)
Exposure time	1 μ seconds to 16.777 seconds
Analog Gain	0 to 18 dB
Digital Gain	x1 to x7
Black Level	0 to 31 gidits (8bits) 0 to 127 gidits (10bits Packed) 0 to 511 gidits (12bits Packed)
ROI(AOI)	Horizontal : 256 to 2448 / Vertical : 4 to 2048 Adjustable steps for size 8 pixels in horizontal direction / 2 lines in vertical direction Adjustable steps for offset 2 pixels in horizontal direction / 2 lines in vertical direction
Multi ROI	Eight Regions (Horizontal 1 x Vertical 8 regions)
Gamma	N/A
Binning	2 x 2, Off *Monochrome model only
Decimation	1/2 x 1/2, Off
Image Flip	Horizontal / Vertical / Horizontal and Vertical / Off
Defective Pixel Correction	Up to 512 points
Auto Exposure	N/A
Auto Gain	N/A
Auto White Balance	Off / Once / Continuous / Disable *Color model only
Operational Mode	Edge preset trigger / Pulse width trigger / CXP trigger packet / Free run
Protocol	CoaXPress Standard Version 1.1.1 and GenICam SFNC 2.4 compliant
Input / Out put	Four GPIO
Input Voltage	PoCXP (+18.5 to +26 Vdc)
Consumption	Maximum: 3.6 W, Typcal: 3.1 W
Dimensions	28 (W) x 28 (H) x 40 (D) mm (excluding the connectors)

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