3.2M CMOS CameraLink
216.2fps Global Shutter

Sony 3.2M High-Speed CMOS

STC-SPC322PCL  【Color】
STC-SPB322PCL  【Mono】

High-Speed CMOS 3.2M model has added to Camera Link series. Sony Pregius Sensor provides high quality images. This camera is capable of capturing moving objects without any issue due to the camera has Global shutter sensor. Supported PoCL type, external power supply is unnecessary.

※ Pregius is trademark of Sony Corporation.

- 2048(H) x 1536(V)
- 3.45 μm x 3.45 μm
- 216.2 fps
- 1/1.8” Sensor

- Lens Mount：C Mount
- Global Shutter
- Supported PoCL
- 35 x 35 x 40.7 mm (excluding connectors)
Specifications

Model Numbers:  
- STC-SPC322PCL (Color)  
- STC-SPB322PCL (Monochrome)

Image Sensor:  
1/1.8" 3.19M Progressive CMOS (SONY IMX252)

Shutter Type:  
Global Shutter

Effective Pixels:  
2048 (H) x 1536 (V)

Cell Size:  
3.45 (H) x 3.45 (V) μm

Sync System:  
Free run, External trigger

Maximum Frame Rate:  
216.2 fps (8bit, 10Tap), 85MHz  
103.8 fps (10bit, 4Tap), 85MHz  
103.8 fps (12bit, 4Tap), 85MHz

Video Format:  
8 bit / 10bit / 12bit output

Noise Level:  
Less than TBD LSBs (Gain 0 db, 8bit)  
Less than TBD LSBs (Gain 0 db, 10bit)  
Less than TBD LSBs (Gain 0 db, 12bit)

Sensitivity:  
TBD Lux (Color), TBD Lux (Monochrome)

Exposure time:  
TBD μ seconds to TBD seconds (8bit)  
TBD μ seconds to TBD seconds (10bit)  
TBD μ seconds to TBD seconds (12bit)

Analogue Gain:  
0 dB to 20.8 dB

Digital Gain:  
0 dB to 6 dB

Black Level:  
0 to 31 (8bit), 0 to 127 (10bit)  
0 to 511 (12bit)

White Balance Gain:  
-40 dB to 12 dB (Color Model Only)

ROI (AOI):  
Horizontal 260 to 2048 / Vertical 4 to 1536  
[Adjustable Steps for size] Horizontal 4 / Vertical 4  
[Adjustable Steps for offset] Horizontal 4 / Vertical 4

Gamma:  
0.1 to 4.0

Binning:  
Individual x2 Horizontal, Vertical binning  
(Monochrome Model Only, Horizontal Average, Vertical Addition)

Decimation:  
Individual x2 Horizontal, Vertical Decimation

Image Flip:  
Horizontal / Vertical / Horizontal and Vertical / Off

Pixel Defect Correction:  
Up to 64 points

Operational Mode:  
Free run / Edge preset Trigger / Pulse width Trigger

Interface:  
CameraLink Base / Medium / Full / 10Tap

Communication:  
RS232 via Camera Link connector

Power Input Voltage:  
DC12V ± 10% (Power/IO connector), Supported PoCL

Consumption:  
Less than TBD W

Dimensions:  
35 (W) x 35 (H) x 40.7 (D) mm (excluding connector)

Optical Filter:  
No IR Cut Filter

Lens mount:  
C mount

Camera Link connector:  
SDR x 2

Power/IO connector:  
HR10A-7R-6PB (Hirose) or equivalent

Camera Mounting:  
Two 1/4" tripod screw holes  
(One on each top and bottom plate),  
Fourteen M4 screw holes  
(Four on each top and bottom plate,  
Three on each side plate).

Weight:  
Approx. TBD g

Compliance:  
RoHS Compliant

Spectral Sensitivity

STC-SPC322PCL

STC-SPB322PCL

Dimensions

Distributor

2016.1  ※ Specifications are subject to change without notice.