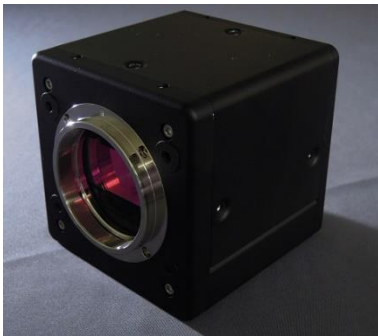


BV-C3201 Double Speed SWIR Line Scan Camera



BV-C3201 is a line scan camera using prism optics and two InGaAs line sensors and as it outputs each image alternately, the line rate is doubled. Two image sensors are the same and each is 512 pixels. The interface is Camera Link Base Configuration and lens mount is M52. As an option, 20mm, 24mm, 28mm, 35mm, 50mm and 105mm SWIR lenses are available.

Item	Specifications
Optical system	F2.8 Prism optics
Image sensor	Effective pixels No. : 512 pixels, Pixel size: 25 μ m \times 25 μ m Image effective length: 12.8mm、 SWIR line sensor x 2
Pixel clock period	200ns / 12.5ns Step
Wavelength Band Width	900nm ~ 1,680nm
Total clock number	616 clk, Full Resolution、 Pixel clk:200ns, Exposure:at 17.8 μ s
Line rate	123.2 μ s, Full resolution, Pixel clk:200ns, Exposure:at 17.8 μ s
Line frequency	8.117KHz (Exposure time: 17.8 μ s)
Line rate variable range	Depend on trigger period, Min. line rate: Exposure time + 105.4 μ s(527Clk)
Conversion efficiency	0.93 μ V/e-
Synchronization	Internal / External trigger
S/N	55dB (Gain=0dB)
Image output	10 bit, Camera Link Base Configuration x 2
Electronic shutter	17.8 μ s ~ 100ms Setting unit: 12.5ns
Gain	0 ~ 16 times, 1/16 step (for each channel, CH1 and CH2)
Black level	\pm 127LSB (for each channel, CH1 and CH2)
Function	Blemish compensation(Black defect)、 PRNU, DSNU
Operating mode	Shutter select (Internal / External trigger)
Trigger input	Hirose 12P: TTL, or Camera Link (CC1)(CC2): LVDS
Communication interface	Camera Link :EIA644, 9600bps /115200bps
Power consumption	Input voltage: 10V~14V, 500mA (Typical), 800mA(At start up)
Lens Mount	M52 mount
Flange back	46.5mm Tolerance:0 ~ -0.05mm
Operating temperature/Humidity	-5 $^{\circ}$ C to +45 $^{\circ}$ C / 20% to 80% (non-condensing)
Dimensions (WxHxD)	95mm x 95mm x 95 mm (excluding protrusion)
Weight	820 g

- Option: Lens (BV-L1020-SWIR, BV-L1024-SWIR, BV-L1028-SWIR, BV-L1035-SWIR, BV-L1050-SWIR, BV-L1105-SWIR)
- This product is in the scope of Export Trade Control Order and required Export License.
- Specifications are subject to change without prior notice.

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