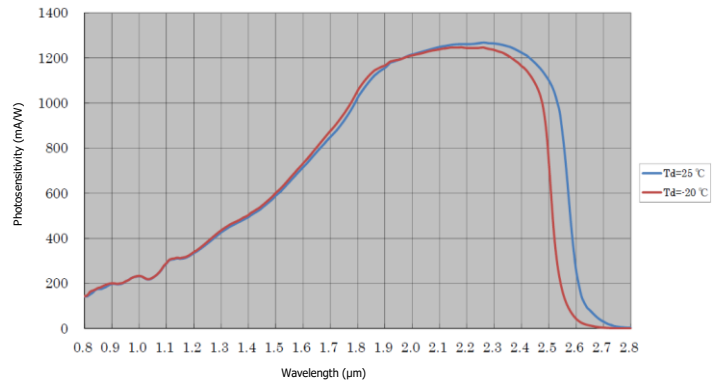


## BV-C2906 SWIR Line Scan Camera

**BV-C2906 is a compact and robust line scan camera and employs the sensor having the sensitivity on SWIR (Short Wave Infrared) range from 900nm to 2550nm.**



BV-C2906 is a SWIR line scan camera and uses InGaAs sensor which is 25 micron pixel size and its sensitivity is from 900nm to 2550nm. The interface is supported by Gigabit Ethernet complying with GigE Vision® and GenICam™. The lens mount is C mount and lenses of 1-inch or larger can be used. BV-C2906 can inspect dust, scratch or foreign substances which a visible length camera cannot catch.

Item	BV-C2906-GE
Line sensor	Effective pixel : 512 pixels, Pixel size : 25μm x 25μm Effective image length : 12.8mm
Wave length range	900 nm ~ 2550 nm
Synchronization	Internal / External trigger
Pixel clock frequency	5 MHz
Line rate	72 μs (Maximum)
Line frequency	13.88KHz (Maximum)
Electronic shutter	Variable range : 10μs to 1ms
Conversion efficiency	Standard sensitivity mode : 160nV/e-
S/N	50dB (Gain=0dB)
Gain	0 dB ~ +12 dB
Black level	0 LSB ~ 127 LSB variable (at 10bit)
Main functions	External trigger, Compensation(DSNU, PRNU, Blemishes, Shading), Field up-grade
Video output	Mono 8-bit, 10-bit, 12-bit
Operating mode	Shutter mode (Internal / External trigger)
Trigger input	Hirose 6P
Communication I/F	Gigabit Ethernet (1000BASE-T)
Lens mount	1-inch C mount
Power consumption	DC12V ± 1V, 5W
Operating temperature	0°C ~ +40°C / 20% ~ 80% ( Non-condensing)
Storage temperature	-25°C ~ +60°C / 20% ~ 80% (Non-condensing)
Dimensions (WxHxD)	72 x 58 x 115mm (excluding mount and protrusion)
Weight	725 g
Regulations	RoHS, CE
Camera Control	SDK-TransFlyer (Aval Data)

- Specifications are subject to change without a prior notice.

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