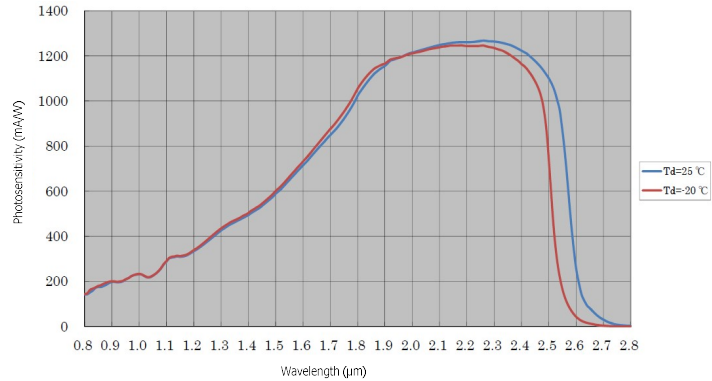


BV-C2906 SWIR Line Scan Camera

BV-C2906 is a compact and robust line scan camera and employs the sensor having the sensitivity in 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 temp./humidity | 0°C ~ +40°C / 20% ~ 80% (Non-condensing) |
| Storage temp./humidity | -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.
- This product is in the scope of Export Trade Control Order and requires the export license for exportation.

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