

## SWIR Series SenSWIR InGaAs Camera

VCI-A10GT+SWIR Series | 10GigE | Cooled Industrial Area Scan Camera Using SenSWIR InGaAs

WebSite: [www.viewsecctv.com](http://www.viewsecctv.com)

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- 1、SONY SenSWIR InGaAs sensor
- 2、Built-in TEC or External TEC cooling chip
- 3、Precise temperature control, the temperature difference can reach 10-25 degrees Celsius
- 4、Spectral response range: 400nm-1800nm
- 5、5um pixel size
- 6、Global shutter
- 7、Support interface: USB3 / GigE / MIPI(developing) / CameraLink(developing)
- 8、12-bit ADC
- 9、4Gb memory
- 10、Support external IO trigger control
- 11、High framerate exceeding official parameters



## Specification

| Model                        | VCI-A10GT500GM-SWIR-A  |
|------------------------------|--|
| Parameter                    | 5.0M pixels 1/1.4" CMOS 10GigE industrial camera   |
| Sensor model                 | Sony IMX992-AABA-C   |
| Sensor Type                  | InGaAs   |
| Spectral Range               | 400nm-1800nm   |
| Pixel size                   | 3.45 μm x 3.45 μm  |
| Sensor size                  | 1/1.4"   |
| ADC                          | 12 Bit / 8 Bit   |
| Frame rate                   | 8 Bit:131.9fps@2560x2048<br>12 Bit:70.9fps@2560x2048   |
| Image Buffer                 | 512MByte   |
| Conversion Gain              | TBD  |
| Dynamic range                | TBD  |
| Readout Noise                | TBD  |
| Full Well                    | TBD  |
| SNRmax                       | TBD  |
| Sensitivity                  | TBD  |
| Dark current                 | TBD  |
| Gain range                   | 1x-15x   |
| Exposure time                | 15μs-60sec   |
| Shutter                      | Global shutter   |
| Binning                      | Software 2x2, 3x3, 4x4   |
| Data interface               | 10GigE   |
| Digital I/O                  | One optical-coupling isolated input, one optical-coupling isolated output, two non-isolated input and output |
| Data Format                  | 8bit / 12bit   |
| Cooling performance          | 25°C below ambient temperature   |
| Optical filter               | 400-1800nm(default); 1030-1800nm(optional)   |
| CRA                          | 2.35 Deg   |
| <b>General specification</b> |  |
| Power supply                 | 12V Power adapter  |
| Power consumption            | TBD  |
| Temperature                  | Working temperature -20~60°C, storage temperature -40~85°C   |
| Humidity                     | 20%-80%, no condensation   |
| Size                         | 80mm×80mm×45.5mm   |
| Weight                       | <390g  |
| Lens mount                   | C-mount  |
| Software                     | SDK  |

|                           |  |
|---------------------------|--|
| Platform and architecture | Win32/WinRT/Linux/macOS/Android; X86/X64/armhf/armel/arm64 |
| Certification             | CE, FCC  |

**Camera Dimensions**

