

SWIR Series SenSWIR InGaAs Camera

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

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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-B
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 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	10°C below ambient temperature
Optical filter	400-1800nm(default); 1030-1800nm(optional)
CRA	2.35 Deg
General specification	
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

