

SWIR33 Series SenSWIR InGaAs Camera

VCI-ACLT+SWIR33 Series | CameraLink Full | Cooled Industrial Area Scan Camera Using SenSWIR InGaAs

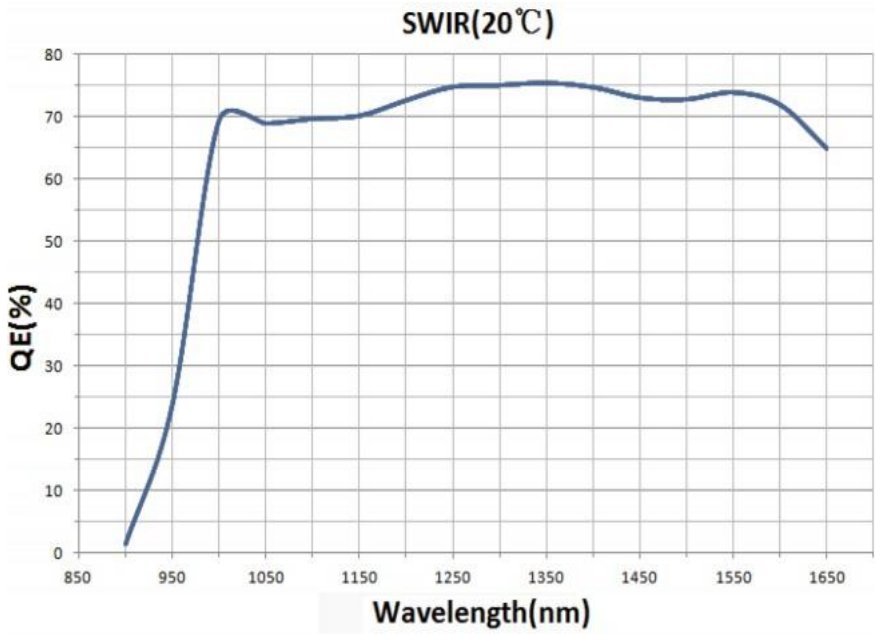
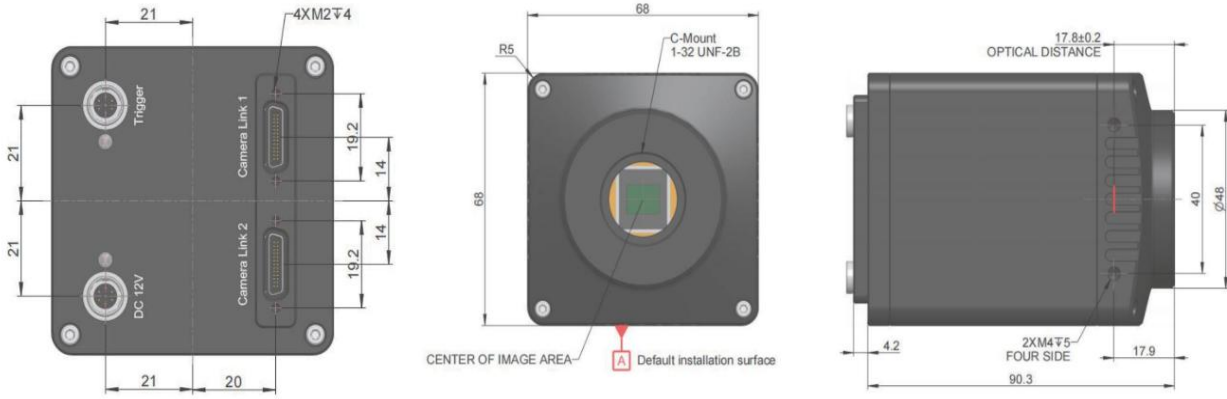
- 1、724FPS high frame rate
- 2、InGaAs SWIR Detector
- 3、640 x 512
- 4、15um pixel size
- 5、900nm-1700nm
- 6、Global shutter
- 7、Built-in TEC refrigeration chip, the temperature difference can reach 45 degrees Celsius below the ambient temperature
- 8、PID precise temperature control, the fluctuation is less than 0.3 degrees
- 9、CameraLink Full / USB3 (under development) / 10GigE (under development)
- 10、12-bit output (14-bit ADC)
- 11、Multiple working modes: video mode/soft trigger mode/external trigger mode
- 12、Support field update firmware
- 13、Accept OEM custom development



Specification

Model	VCI-ACLT033GM-SWIR-A5	VCI-ACLT033GM-SWIR-A7	VCI-ACLT033GM-SWIR-B5	VCI-ACLT033GM-SWIR-B7
Parameter	330,000 pixels 3/4 " InGaAs CameraLink Camera			
Sensor model	National production			
Sensor type	InGaAs CMOS image sensor			
Spectral range	900nm-1700nm			
pixel size	15μm x 15 μm			
Target size	3/4"			
ADC	12-bit output /14-bit output (14-bit ADC)			
Frame Rate & Resolution	517fps@640 x 512	724fps@640 x 512	517fps@640 x 512	724fps@640 x 512
Memory	512MB			
QE	75%@1350nm			
Conversion gain	970.01e-/DN(LG), 18.02e-/DN(MG), 3.31e-/DN (HG)			
Conversion gain	69.2dB(LG), 63.2dB(MG), 57.4dB(HG) x1			
Read noise	1.3DN(LG), 2.7DN(MG), 5.0DN(HG)			
Full well charge	3.5Me(LG), 70Ke(MG), 12Ke(HG) x1			
Maximum SNR	65.4dB(LG), 48.5dB(MG), 40.7dB(HG)			
Dark current	30fa@0.1V&18 °C			
Exposure time range	31.25us~1s	23.81us~1s	31.25us~1s	23.81us~1s
Shutter mode	Global shutter			
Data interface	CameraLink Full			
Digital I/O	1 optocoupler isolated input, 1 optocoupler isolated output			
Data Format	Mono 12 / Mono 14			
Cooling temperature	Below room temperature 40 degrees Celsius			
Camera Type	China produced devices	China produced devices	High performance	High performance
Generalparameters				
Power supply	DC12V power supply			
Power consumption	8.4W(TEC OFF)/ <16W(TEC ON)			
Temperature	Working temperature -30 ~ 60 °C, storage temperature - 40 ~ 85 °C			
Humidity	20%-80% , non-condensing			
Size	68mm×68mm×90.3mm			
Weight	485g			
Lens mount	C-mount interface			
Software	Provide SDK development kit and CL View software based on Delsa			

Camera Dimensions



The spectral QE of SWIR33 Short-Wavelength Infrared Cameras