

Specifications

Model	V331SWIR-500CL	V331SWIR-700CL	V331SWIR-500CL-B	V331SWIR-700CL-B
Parameter	<i>330,000 pixels 3/4" InGaAs CameraLink Camera</i>			
Camera				
Sensor model	National production	National production	National production	National production
Sensor type	InGaAs CMOS image sensor	InGaAs CMOS image sensor	InGaAs CMOS image sensor	InGaAs CMOS image sensor
Spectral range	900nm-1700nm	900nm-1700nm	900nm-1700nm	900nm-1700nm
pixel size	15μm x 15 μm	15μm x 15 μm	15μm x 15 μm	15μm x 15 μm
Target size	3/4"	3/4"	3/4"	3/4"
ADC	12-bit output (14-bit ADC)	12-bit output (14-bit ADC)	12-bit output (14-bit ADC)	12-bit output (14-bit ADC)
Frame Rate&Resolution	533fps@640 x 512	726fps@640 x 512	533fps@640 x 512	726fps@640 x 512
Memory	512MB	512MB	512MB	512MB
QE	75%@1350nm	75%@1350nm	75%@1350nm	75%@1350nm
Conversion gain	HG:106uV/e-(1.5fF)	HG:106uV/e-(1.5fF)	HG:106uV/e-(1.5fF)	HG:106uV/e-(1.5fF)
	MG:20uV/e-(8.0fF)	MG:20uV/e-(8.0fF)	MG:20uV/e-(8.0fF)	MG:20uV/e-(8.0fF)
	LG:0.82uV/e-(195fF)	LG:0.82uV/e-(195fF)	LG:0.82uV/e-(195fF)	LG:0.82uV/e-(195fF)
Dynamic Range	TBD	TBD	TBD	TBD
Read noise	18e-(HG CDS mode)	18e-(HG CDS mode)	18e-(HG CDS mode)	18e-(HG CDS mode)
	60e-(MG CDS mode)	60e-(MG CDS mode)	60e-(MG CDS mode)	60e-(MG CDS mode)
	500e-(LG CDS mode)	500e-(LG CDS mode)	500e-(LG CDS mode)	500e-(LG CDS mode)
Full well charge	HG:17Ke- MG:90Ke- LG:2.2Me-	HG:17Ke- MG:90Ke- LG:2.2Me-	HG:17Ke- MG:90Ke- LG:2.2Me-	HG:17Ke- MG:90Ke- LG:2.2Me-
Maximum SNR	TBD	TBD	TBD	TBD
Dark current	30fA@0.1V&18°C	30fA@0.1V&18°C	30fA@0.1V&18°C	30fA@0.1V&18°C
Exposure time range	31.25us~1s	23.81us~1s	31.25us~1s	23.81us~1s
Shutter mode	Global shutter	Global shutter	Global shutter	Global shutter
Data interface	CameraLink Full	CameraLink Full	CameraLink Full	CameraLink Full
Digital I/O	1 optocoupler isolated input,	1 optocoupler isolated input,	1 optocoupler isolated input,	1 optocoupler isolated input,
	1 optocoupler isolated output,	1 optocoupler isolated output,	1 optocoupler isolated output,	1 optocoupler isolated output,
	2 non-isolated input and output ports	2 non-isolated input and output ports	2 non-isolated input and output ports	2 non-isolated input and output ports
Data Format	Mono 12	Mono 12	Mono 12	Mono 12
Cooling temperature difference	Below room temperature 40 degrees Celsius	Below room temperature 40 degrees Celsius	Below room temperature 40 degrees Celsius	Below room temperature 40 degrees Celsius
Camera type	Nationally produced devices	Nationally produced devices	High performance	High performance
General parameters				
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 acquisition card			

*仕様、外観は予告なく変更することがあります。



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