









## SWIR Series SWIR Camera 640x512

GHCT-SW640-CL | GHCT-SW640-GigE | GHCT-SW640-U3

 640x512	 900-1700nm / 400-1700nm	 15μm
 SDK	 <b>TE Cooler</b> The cooling temperature is 40 degrees below the ambient temperature	 1000fps
 Global shutter	 <b>Dual CameraLink Interface</b> GigE USB3.0	



Type	GHCT-SW640-CL	GHCT-SW640-GigE	GHCT-SW640-U3
Frame Rate	500Hz / 700Hz / 1000Hz	125Hz / 145Hz / 180Hz	550Hz
Integration Time	16μs ~ 1s	25μs ~ 5s	16μs ~ 1s
Interface	Dual CameraLink Interface	GigE	USB3.0
Software	SDK supporting CameraLink capture card	SDK	SDK
Power Consumption	8.4W (TEC off) / <16W (TEC on)	8.4W (TEC off) / <16W (TEC on)	/

Key Specs	Sensor	GH-SW640Pro
Resolution		640 x 512
Spectral Response		0.9μm ~ 1.7μm / 0.4μm ~ 1.7μm
Pixel Pitch		15μm
Lens Mount		C-Mount
Quantum Efficiency		>70% (1.0μm ~ 1.6μm)
Full well Capacity		1.8Me-
ADC		8bit / 14bit
Cooling		TEC
Dark Current		30fA@0.1V&18°C
Exposure Mode		Global exposure
Readout Mode		IWR
Power Input		DC 12V
Weight		≤500g (No lens)
Dimensions		68mm x 68mm x 89.1mm (No lens)
Operating Temp		-20 °C ~ +60 °C
Storage Temp		-40 °C ~ + 85 °C

\* Technical data are subject to change without notice

SWIR CAMERAS

