








SWIR Series SWIR Camera 640x512

GHCT-SW640T4



 640x512	 15μm	 Global shutter	 900-1700nm	 16bit 100fps
 10GigE+USB3.0		 TEC 4 (ΔT= 90°C)		

Type	GHCT-SW640T4	Full Well Charge	HG: 12.6ke	MG: 83.9ke	LG: 2135.4ke
Spectral Response	900nm-1700nm	Max SNR	HG: 41dB	MG: 49.2dB	LG: 63.3dB
Resolution	640 x 512	Gain Range	HG/ MG/LG		
Pixel Size	15μm	Exposure Time Range	10us - 1 minute		
Target size	3/4"	Shutter Mode	Global Shutter		
ADC	16 Bit Output (ADC 14Bit)	Binning	Software 2x2, 3x3, 4x4		
Frame Rate	16 Bit : 100fps	Data Interface	10GigE+USB3.0		
Hardware Image Cache	512MB	Pixel Format	Mono16		
Conversion Gain	HG: 0.811e/ADU MG: 5.294e/ADU LG: 138.1e/ADU	TEC	100°C below the ambient temperature		
Dynamic Range	HG: 50.7dB MG: 66.8dB LG: 71.7dB	Filter	400-1800nm (Standard), 1030-1800nm (Optional)		
Readout Noise	HG: 36.88e MG: 38.53e LG: 554.0e	Digital I/O	1 optocoupler isolated input, 1 optocoupler isolated output, 2 non-isolated input and output ports		

SWIR CAMERAS



Key Specs	Power Supply	19V power adapter power supply
	Power Consumption	<10W (uncooled) / <80W (cooled)
	Temperature	Operating Temp 20°C- 60°C , Storage Temp -40°C- 85°C
	Humidity	20% ~ 80% No Condensation
	Dimensions	100 x100 x 142mm
	Weight	<1200g
	Lens Mount	C Mount, M42*0.75
	Software	SDK
	Operating System	Win32/WinRT/Linux/macOS/Android
	Certificate	CE, FCC

* Technical data are subject to change without notice