

SWIR Series SWIR Camera 640x512

GH-SW640-CL



640x512

900-1700nm / 400-1700nm



15µm

Camera Link



TEC 1

Global shutter
Single point Correction



SWIR CAMERAS



Specifications	Type	GH-SW640-CL
Sensor		GH-SW640HS
Resolution		640 x 512
Spectral Response		0.9µm ~ 1.7µm / 0.4µm ~ 1.7µm
Pixel Pitch		15µm
Active Area		9.6mm x 7.68mm
Quantum Efficiency		>70 % (1.0µm ~ 1.6µm)
Frame Rate		100Hz
Integration Type		snapshot
Integration Time		100µs ~ 20ms / Max 9ms at 100Hz
Pixel Capacity		>99.5%
Full Well Capacity		1.8Me-
ADC		14bit
Analog Video Output		PAL, SMA Interface
Digital Output		SDR 26 pin connector, Base Camera Link
Software		Windows Software/windows SDK
Trigger		Camera link Via Camera Link CC1 (Delay< 1µs)
Mode Control		Camera Link SerTC, SerTFG. Baud: 115200 bps
Power Input		DC 12V ± 2V
Power Dissipation		<3W (TEC OFF)
Dimensions		61mm x 62mm x 59mm (without Lens)
Lens Mount		C-Mount
Operating Temp.		-20 °C~ +50 °C / -40 °C~ + 70 °C (Optional)
Storage Temp.		-40 °C ~ + 80 °C
On-Board Image Processing		Single/two-point correction, bad pixel replacement, image denoising, image smoothing, controllable shutter compensation

* Technical data are subject to change without notice