



SWIR CAMERAS

Vis-SWIR CAMERA

GH-VSW640Pro-U2
GH-VSW640Pro-Gnet



FEATURES

GH-VSW640Pro-U2 | GH-VSW640Pro-Gnet

- Self-developed SWIR Camera
- Wide Spectral Response
- Automatic on-board image processing
- Single point Correction
- TE Cooler

Basic Specs	Model type	GH-VSW640Pro-U2	GH-VSW640Pro-Gnet
	Frame Rate	50Hz	100Hz
	Integration Time	0.2μs ~ 20ms	0.2μs ~ 20ms /Max 9ms at 100Hz
	Digital Output	USB2.0	Gnet
	Trigger	Trigger TTL (Optional)	RS-422 / TTL (Optional)
	Power consumption	< 3W (TEC Off)	< 4W

Key Specs	Sensor	GH-VSW640Pro
	Resolution	640 x 512
	Spectral range	0.4μm ~ 1.7μm
	Pixel pitch	15μm
	Active area	9.6mm x 7.68mm
	Quantum Efficiency	> 70% (1.0μm ~ 1.6μm)
	Integration Type	snapshot
	Pixel Operability	> 99.5%
	Full Well Capacity	1.8Me-
	ADC	14bit
	Analog video output	PAL、SMA Interface
	Software	Windows Software/windows SDK
	Power Input	DC 12V ± 2V
	Dimensions	65mm × 58mm × 75mm (No 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