SWIR CAMERA

GH-SW640HS-U2
GH-SW640HS-Gnet

FEATURES

GH-SW640HS-U2 | GH-SW640HS-Gnet

- → Self-developed SWIR Camera
- → Automatic on-board image processing
- → Single point Correction
- → TE Cooler

Basic Specs

Model Type	GH-SW640HS-U2	GH-SW640HS-Gnet
Frame Rate	50Hz	100Hz
Integration Time	100μs ~ 20ms	100 μs ~ 20ms / Max 9ms at 100Hz
Digital Output	USB 2.0	Gnet
Trigger	/	RS-422 / TTL

Key Specs

Sensor	GH-SW640HS
Resolution	640 x 512
Spectral Response	0.9μm ~ 1.7μm
Pixel Pitch	15μm
Active Area	9.6mm x 7.68mm
Quantum Efficiency	> 70% （1.0 μm~ 1.6μm）
Integration Type	snapshot
Pixel Capacity	> 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
Power Dissipation	< 4W (TEC OFF)
Dimensions	65mm × 58mm × 75mm (without Lens)
Lens Mount	C-Mount
Operating Temp	-20 ℃ ~ +50 ℃ / -40 ℃ ~ +70 ℃ （Optional）
Storage Temp	-40 ℃ ~ +80 ℃
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

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