SWIR CAMERAS

900-1700nm / 400-1700nm SWIR Cameras

GH-SW320-U2
GH-SW320-Gnet

320x256

15μm

400fps

900-1700nm
400-1700nm

USB 2.0 /Gnet

TEC

Global shutter
Single point Correction

Basic Specs	Model Type	GH-SW320-U2	GH-SW320-Gnet
	Frame rate	200Hz	400Hz
	Integration Time	100 μs ~ 20 ms Max 4.5ms at 200Hz	100 μs ~ 20ms Max 2ms at 400Hz
	Interface	USB 2.0	Gnet

Key Specs	
Sensor	GH-SW320
Resolution	320 x 256
Spectral Response	900 ~ 1700nm / 400 ~ 1700nm
Pixel pitch	15μm
Lens mount	C - Mount
Quantum Efficiency	> 70% （1.0μm ~ 1.6μm）
Full Well Capacity	2.2Me-
ADC	14bit
Cooling	TEC
Dark Current	30fA@0.1V&18℃
Software	Windows Software/windows SDK
Trigger	RS-422 / TTL
Exposure Mode	Global exposure
Readout mode	IWR
Power Input	DC 12V ± 2V
Power consumption	< 4W （TEC off）
Weight	200g （No lens）
Dimensions	55mm x 50mm x 63mm （No lens）
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