



SWIR CAMERAS

Vis-SWIR CAMERA

GH-SW033-GigE
GH-SW130-GigE



FEATURES

GH-SW033-GigE | GH-SW130-GigE

- Wide Spectral Response
- 5µm Pixel Pitch
- Global Shutter
- GigE Interface

Basic Specs

Model type	GH-SW033-GigE	GH-SW130-GigE
Sensor	Sony InGaAs CMOS IMX 991	Sony InGaAs CMOS IMX 990
Resolution	640 x 512	1280 x 1024
Image size	3.2mm x 2.56mm	6.4mm x 5.12mm
Max frame rate	258Hz	90Hz

Key Specs

Spectral range	0.4µm ~ 1.7µm	Pixel format	Mono 8/12
Pixel pitch	5µm	Binning	2×2 supported
Gain	24Times	Frame buffer	256M Bytes
Dynamic range	90DB	User parameter area	4K Bytes
Exposure time	0.013ms ~ 133ms	IP rating	IP30
Pixel depth	8/12bit	Data interface	GigE @ 1Gbps
Digital I/O	6 pin connectors for power supply, I/O: 1 optical-coupling isolated input, 2 optical-coupling isolated output		
Power supply	Default 12V DC, PoE Supported (USB3.0, 5V DC optional)		
Power consumption	<3.5W @5V DC (USB for power supply) / < 3.0W @12V DC		
Lens mount	C-mount / CS-mount		
Collection method	Continuous / soft trigger / hard trigger		
Temperature	Operating Temp 0°C~ 50°C / Storage Temp -30°C~ 70°C		
Humidity	20% ~ 80% RH No Condensation		
Driver	DirectShow / Twain / Halcon / OCX supported		
Software supported	Compatible with Halcon / OpenCV / LabView / Matlab		
Programmable language	C/C++ / VB6 / VB.net / Delphi6 / C# / QT / C++Builder / LabView /Python		
Operating system	Windows / Linux / Android / MacOS		
Protocol	GigE Vision V1.2		

Technical data are subject to change without notice