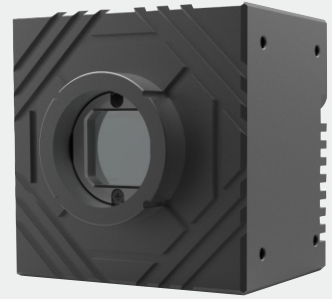## Product number: MV-GEC130I

MindVision's latest MV-GEC130I camera is a scientific-grade, large-target, high-resolution InGaAs short-wave infrared camera, designed for low-light scientific research short-wave infrared imaging and microscopic imaging. The camera resolution is 1280x1024, the pixel size is 5.0umx5.0um, the frame rate at full resolution is 72fps, and ROI is supported.
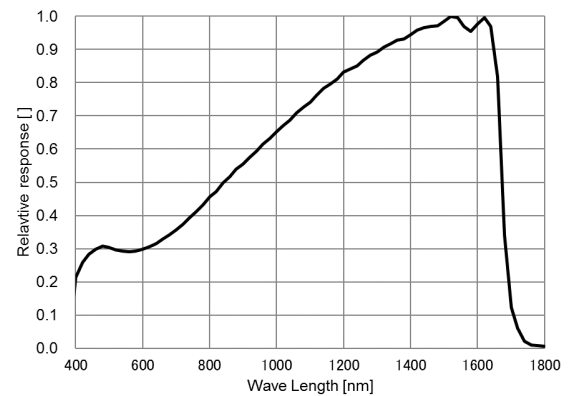
Application industry：

Suitable for fluorescence imaging, laser spot tracking imaging, semiconductor inspection, solar cell inspection, hyperspectral imaging.

Feature of product：

- InGaAs detector, response wavelength 0.4-1.7um
- Black level correction, good image uniformity
- Gigabit Ethernet interface, compatible with vision standard
- Designed for low-light scientific SWIR imaging and microscopy
- Resolution 1280x1024, frame rate up to 72FPS, support ROI
- Drive-free directly supports halcon, visionpro and other software, easy to system integration and development
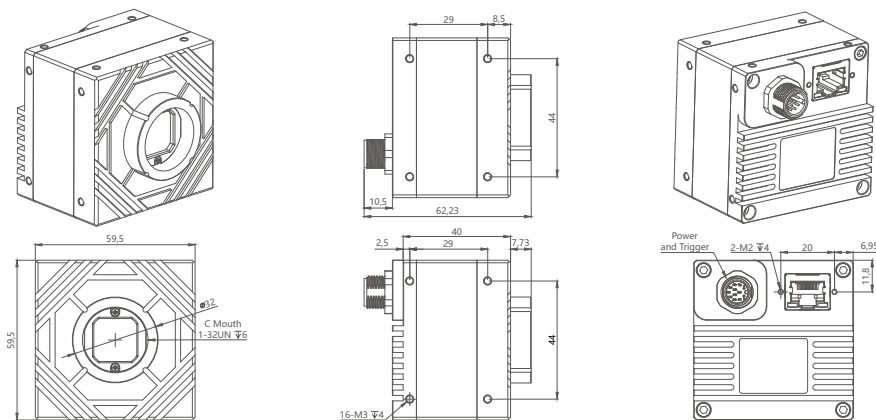
Spectrum：

MV-XGL81GM-T

Mechanical Specifications：

Unit:mm

Parameter: TECHNICAL PARAMETER

Model / Specifications	MV-GEC130I
Sensor	1/2″
Shutter	InGaAs
Pixel Size	5.0X5.0μm
Effective Pixels	130万
Frame Rate	1280X1024@72FPS
Pixel Bit Depth	8bit/12bit
Sensitivity	361mv
GPIO	Two inputs and two outputs, one configurable input and output, support trigger and flash sync mode
Synchronization	Continuous/soft trigger/hard trigger
Maximum Gain	24
Exposure Time(ms)	0.013~133
Frame Buffer	256MB
Camera Custom Data	2KB
Video Output Format	Mono8
Visual Standard Protocol	GigE Vision V1.2、GenICam
Lens mount	C interface
Data Interface	RJ45 Gigabit Ethernet interface
Power Requirements	9V-24V (POE is optional)
Power Consumption	<12W (including refrigeration)
Dimensions	59.5*59.5*44mm(Excluding lens mount and rear interface)
Working temperature & working humidity	Working temperature: 0~40 degrees Working humidity: 0~80% (non-condensing)
Storage Temperature & Storage Humidity	Storage temperature: -30~60 degrees Storage humidity: 20~95% (non-condensing)
Support System	WINXP, WIN7/8/10 32&64-bit systems, Linux and ARM Linux drivers and Android platform drivers (customizable)
Drivers	DirectShow components Halcon special components Labview dedicated drive OCX components TWAIN components
Programming Language	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java
Programmable Contro	Image size (ROI), camera, exposure time, GAMMA, contrast, brightness, custom LUT, mirror flip, RGB color gain, saturation, sharpness, color to mono, color temperature correction, anti-color, Color,trigger mode, frame rate control