

KGSMT130GI Short-wave Infrared Camera



- ◆ Resolution: 1.3 MP
- ◆ Frame Rate: 90 fps
- ◆ Mono/Color: Shortwave infrared
- ◆ Shutter: Global Shutter
- ◆ Data Interface: GigE

Enyo Technology 's short-wave infrared camera series is equipped with Sony's innovative SenSWIR InGaAs sensor, which responds to wavelengths of 0.4-1.7um and can capture images in multiple bands from visible light to SWIR. It is widely used in medical, fluorescence imaging, laser spot tracking imaging, semiconductor detection, solar cell detection, and hyperspectral imaging.

CHARACTERISTIC

- Response wavelength range 0.4-1.7um
- The camera comes with a 256MB high-speed cache
- Single camera for both visible and invisible light imaging
- Support Windows, Android, Linux, MacOS

SELECTION KEYPOINT

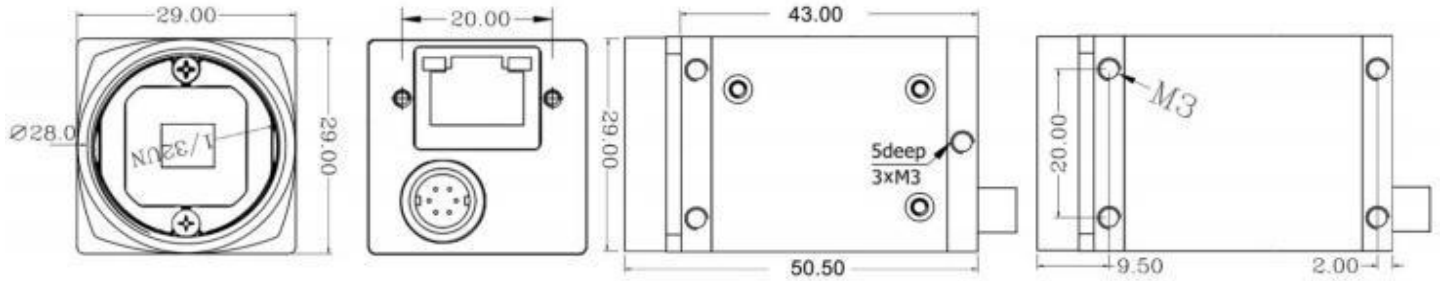
- Provide complete SDK development package and technical support
- Supports customization of appearance, structure and function
- The effective transmission distance is 100 metres
- Small, suitable for more application scenarios

TECHNICAL PARAMETER

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|-----------------------|---|
| Model | KGSMT130GI |
| Resolution | 1.3MP |
| Type | 1.3MP 1/2" Short-wave Infrared Camera |
| Sensor Type | CMOS |
| Sensor | IMX990 |
| FPA Materials | InGaAs |
| Response band | 0.4-1.7um |
| Shutter | Global Shutter |
| Resolution(HxV) | 1280x1024 |
| Frame Rate | 90fps |
| Sensor size | 1/2" |
| Pixel size | 5.0μm x 5.0μm |
| SNR | - |
| Gain | 24dB |
| Dynamic Range | - |
| Exposure Time | 0.013-133ms |
| Sensitivity | 7.3V/lux-s |
| Pixel Bit depth | 8/10bit |
| Pixel Format | Mono 8/10 Bayer 8/10 |
| Binning | Supports 1×1, 1×2, 2×1, 2×2 |
| Image buffer | 128M Bytes |
| User parameter area | 4K Bytes |
| Capture mode | Continuous/Soft trigger/Hard trigger |
| Data Interface | GigE @ 1Gbp s |
| transmission distance | 100m |
| Digital I/O | 6-pin connector for power supply and I/O: One opto-isolated input, and two opto-isolated output |
| Power supply | 12 VDC, supports PoE power supply |
| Power consumption | <3.0 W@12 VDC |
| Dimension | 29mm x 29mm x 43mm (excluding len holder and interface) |
| Lens mount | C-mount / CS-mount |
| Ingress protection | IP30 |
| Weight (typical) | 66g |
| Temperature | Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F) |
| Humidity | 20% to 80% RH, without condensation |
| Driver | DirectShow、Twain、Halcon、OCX |
| Software support | Halcon、OpenCV、LabView、Matlab |
| Development languages | C/C++、VB6、VB.net、Delphi6、C#、QT、C++Builder、LabView、Python |

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|------------------|-----------------------------|
| Operating system | Windows、Linux、Android、MacOS |
| Compatibility | GigE Vision 、GenICam |

MECHANICAL SPECIFICATION



SPECTRUM CHART

