

# KGSMT800U UV Camera



- ◆ Resolution: 8.13 MP
- ◆ Frame Rate: 14 fps
- ◆ Mono/Color: UV
- ◆ Shutter: Global Shutter
- ◆ Data Interface: GigE

Enyo Technology UV camera is equipped with Sony's high-performance image sensor, which can ensure UV wavelength sensitivity, high resolution, low noise and high speed performance. It is suitable for conventional semiconductor defect detection, sorting plastics and other materials in recycling plants, checking the use of transparent resins, checking fine scratches on the surface of components, and detecting UV light emitted by aging discharge of overhead lines.

## CHARACTERISTIC

- Response wavelength range 0.2-1um
- 8.13 MP effective pixels
- Gigabit network interface with locking socket, supports POE power supply
- Support Windows, Android, Linux, MacOS
- The camera with frame buffer, Multiple cameras working simultaneously

## SELECTION KEYPOINT

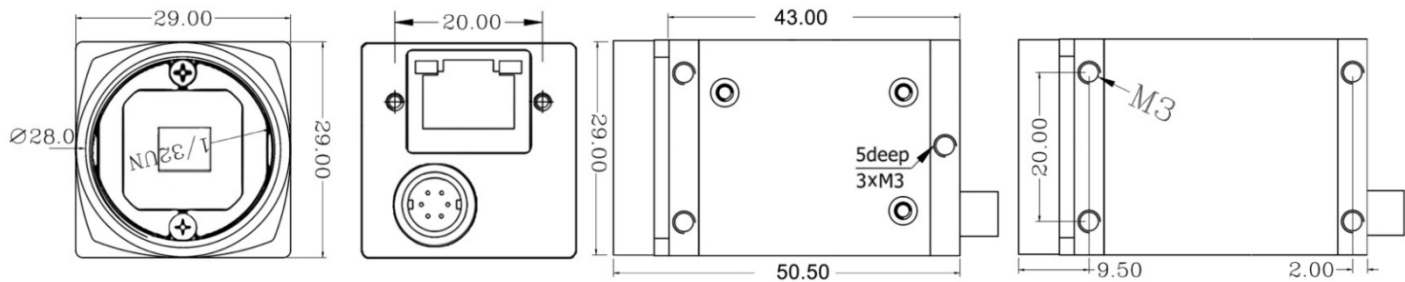
- No external power supply is required
- Aximum transmission rate 1 Gbps
- The effective transmission distance is 100 metres
- Small, suitable for more application scenarios

## TECHNICAL PARAMETER

|                       |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Model                 | KGSMT800U                                                                                                               |
| Resolution            | 8.13MP                                                                                                                  |
| Type                  | 8.13MP 2/3" UV Camera                                                                                                   |
| Sensor Type           | CMOS                                                                                                                    |
| Sensor                | IMX487                                                                                                                  |
| Mono/Color            | Color                                                                                                                   |
| Shutter               | Global Shutter                                                                                                          |
| Resolution(HxV)       | 2856x2848                                                                                                               |
| Frame Rate            | 14fps                                                                                                                   |
| Sensor size           | 2/3"                                                                                                                    |
| Pixel size            | 2.74μm x 2.74μm                                                                                                         |
| Response wavelength   | 200-1000nm                                                                                                              |
| Gain                  | 30dB                                                                                                                    |
| Dynamic Range         | -                                                                                                                       |
| Exposure Time         | 0.023ms-3000ms                                                                                                          |
| Sensitivity           | -                                                                                                                       |
| Pixel Bit depth       | 8/12bit                                                                                                                 |
| 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 @ 1Gbps                                                                                                            |
| 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)<br>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 |
| Operating system      | Windows, Linux, Android, MacOS                                   |
| Compatibility         | GigE Vision , GenICam                                            |

## MECHANICAL SPECIFICATION



## SPECTRUM CHART

