K3SMT800U UV Camera

◆ **Resolution:** 8.13 MP

◆ **Frame Rate:** 38 fps

◆ **Mono/Color:** UV

◆ **Shutter:** Global Shutter

◆ **Data Interface:** USB3.0

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

➢ USB3.0 interface with locking seat, plug and play, no power supply required

➢ Support Windows, Android, Linux, MacOS

➢ The camera with frame buffer, Multiple cameras working simultaneously
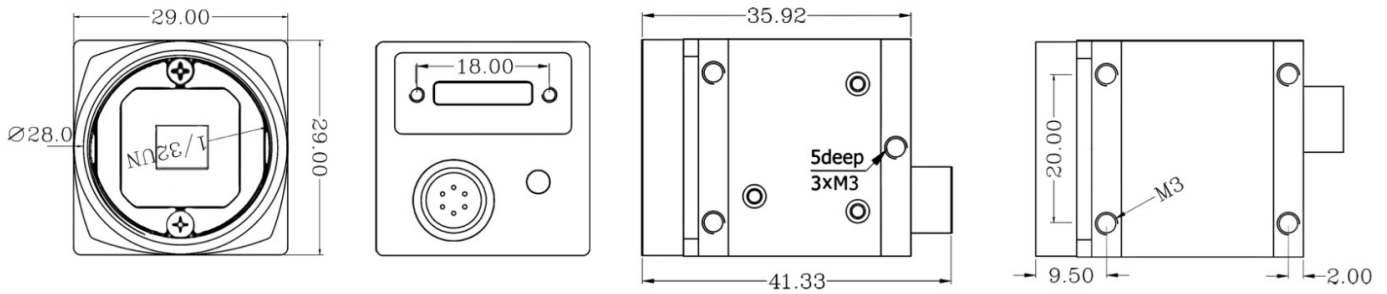
SELECTION KEYPOINT

➢ No external power supply is required

➢ Aximum transmission rate 5 Gbps

➢ The effective transmission distance is 5 metres

➢ Small, suitable for more application scenarios

TECHNICAL PARAMETER

Model	K3SMT800U
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	38fps
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	USB3.0 @ 5Gbps
transmission distance	5m
Digital I/O	I/O: One opto-isolated input, and two opto-isolated output
Power supply	5VDC,USB3.0 power supply
Power consumption	＜3.5 W@5 VDC
Dimension	29mm x 29mm x 29mm (excluding len holder and interface)
Lens mount	C-mount / CS-mount
Ingress protection	IP30
Weight (typical)	55g
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
Operating system	USB3 Vision，GenlCam
Compatibility	GigE Vision 、GenICam

MECHANICAL SPECIFICATION

SPECTRUM CHART