U3SMT30GC USB3.0 Camera

- Resolution: 0.3 MP
- Frame Rate: 810 fps
- Mono/Color: Color
- Shutter: Global Shutter
- Data Interface: USB3.0

U3SMT30GC is a brand-new USB3.0 industrial camera launched by our company. The transmission speed of USB3.0 series is greatly improved compared with USB2.0 and GigE camera. The transmission bandwidth of 5Gbps can still have higher frame rate and faster transmission speed under high pixels with high-speed sensor. The size is only 29mm x 29mm x 29mm. The USB3.0 interface has a locking seat. It is plug and play without power supply, and can be flexibly installed in different structures.

U3SMT series excellent performance, compact and lightweight. affordable, easy to install and use. Compatible with third-party machine vision development software. Our company provides a complete SDK development package and all-round technical support to help your project quickly landing. U3SMT series are suitable for transmission speed, Stability, compatibility, volume, cost-effective applications with strict requirements.

CHARACTERISTIC

- CMOS sensor,0.3 MP
- Support hardware triggering, flash sync
- USB3.0 connecter with locking seat, plug and play without power supply
- Support Windows, Android, Linux, MacOS
- The camera with frame buffer, Multiple cameras working simultaneously

SELECTION KEYPOINT

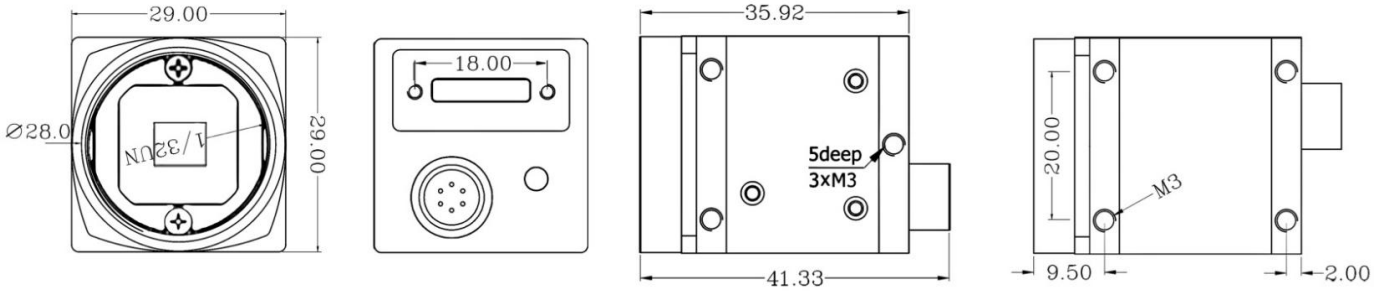
- No external power supply is required
- Aximum transmission rate 5 Gbps
- The effective transmission distance is 5 metres
- Small, suitable for more application scenarios

TECHNICAL PARAMETER

Model	U3SMT30GC
Resolution	0.3MP
Type	0.3MP 1/4″ USB3.0 Camera
Sensor Type	CMOS
Sensor	python300
Mono/Color	Color
Shutter	Global Shutter
Resolution(HxV)	640x480
Frame Rate	810fps
Sensor size	1/4″
Pixel size	4.8μm x 4.8μm
SNR	39.9dB
Gain	15dB
Dynamic Range	59 dB
Exposure Time	0.042-3000ms
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	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	Windows、Linux、Android、MacOS

Compatibility	USB3 Vision, GenlCam

MECHANICAL SPECIFICATION



SPECTRUM CHART