UGSMT2000C GigE Camera

- Resolution: 20 MP
- Frame Rate: 5.9 fps
- Mono/Color: Color
- Shutter: Rolling Shutter
- Data Interface: GigE

UGSMT2000C is a brand-new series of products that our company has comprehensively optimized based on the structural foundation of the third-generation UGSMT product series. It significantly reduces the difficulty of process assembly and further enhances the compatibility of the products. At the same time, it has been optimized to varying degrees in terms of software functionality, enabling more camera usage functions to be implemented in the software code, reducing the amount of logic resources used; lowering power consumption and increasing compatibility.

The camera is developed based on the GigE Vision standard protocol and is compatible with third-party machine vision development software. Our company provides a comprehensive SDK development kit and full technical support to help your project land quickly. The UGSMT series is suitable for applications that have strict requirements on stability, compatibility, size, and cost-effectiveness.

CHARACTERISTIC

- CMOS sensor, 20 MP
- Support hardware triggering, flash sync
- GigE interface with locking socket, supports POE power supply
- Support Windows, Android, Linux, MacOS
- The camera with frame buffer, Multiple cameras working simultaneously

SELECTION KEYPOINT

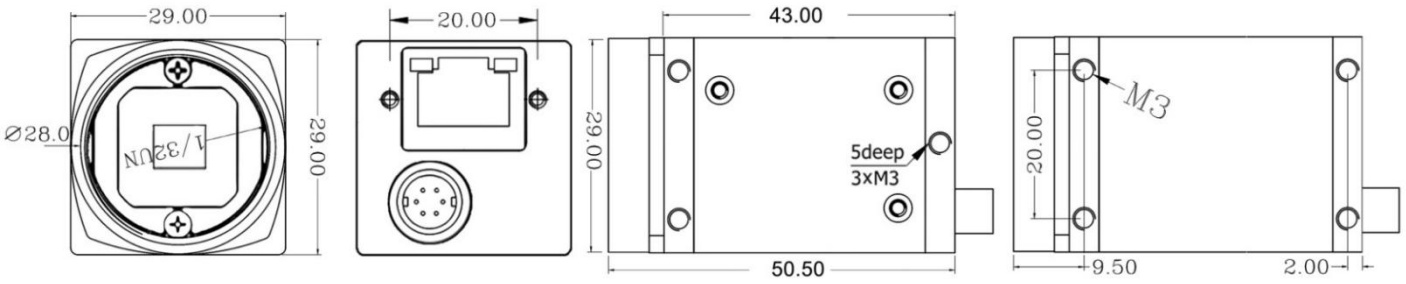
- No external power supply is required
- Aximum transmission rate 1 Gbps
- The effective transmission distance is 100 metres
- Small, suitable for more application scenarios

TECHNICAL PARAMETER

Model	UGSMT2000C
Resolution	16MP
Type	16MP 1″ GigE Camera
Sensor Type	CMOS
Sensor	IMX183
Mono/Color	Color
Shutter	Rolling Shutter
Resolution(HxV)	5488x3672
Frame Rate	5.9fps
Sensor size	1″
Pixel size	2.4μm x 2.4μm
SNR	41.5dB
Gain	20dB
Dynamic Range	65.5 dB
Exposure Time	0.052-30000ms
Sensitivity	388mV/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 @ 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) 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