UGSMT1000C GigE Camera



- Resolution: 10 MP
- Frame Rate: 7.5 fps
- Mono/Color: Color
- Shutter: Rolling Shutter
- ◆ Data Interface: GigE

UGSMT1000C 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, 10 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

UGSMT1000C

TECHNICAL PARAMETER

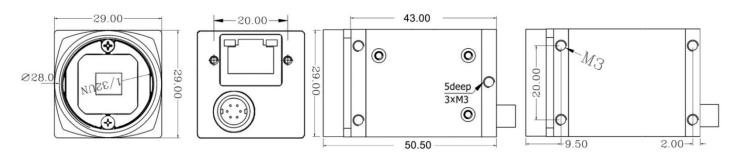
Resolution10MPType10MP 1/2.3" GigE CameraSensor TypeCMOSSensor TypeCMOSMono/ColorColorColorColorShutterRolling ShutterResolution (HxV)3664x2748Frame Rate7.5fpsSensor size1/2.3"Pixel size1.67Mm x 1.67MmSNR34dBGain8dBDynamic Range65.2 dBExposure Time0.0763-30000msSensitivity0.31V/1ux-sPixel Bit depth8/10 bitPixel FormatMono 8/10 Bayer 8/10BinningSupports 1×1, 1×2, 2×1, 2×2Image buffer128M BytesUser parameter area4K BytesCapture modeContinuous/Soft trigger/Hard triggerData InterfaceGigE @ 10bpstransmission distance100m	Model	
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Pixel size1.674m x 1.674mSNR34dBGain8dBDynanic Range65.2 dBExposure Time0.0763-30000msSensitivity0.31V/lux-sPixel Bit depth8/10bitPixel FormatMono 8/10 Bayer 8/10BinningSupports 1×1, 1×2, 2×1, 2×2Tange buffer128M BytesCapture modeContinuous/Soft trigger/Hard triggerData Interface6igE 0 IGbpsTransmission distane10mDigital 1/06-pin connector for power supply and 1/0: One opto-isolated input, and two opto-isolated outputPower consumption2.3.0 WI2 2VCDienension1930Lens mountI-mount / CS-mountIngress protectionIP30Veright (typical)6gVeright (typical)6gVeright (typical)6rking temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)	Frame Rate	7.5fps
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Sensitivity0.31V/lux-sPixel Bit depth8/10bitPixel FormatMono 8/10 Bayer 8/10BinningSupports 1×1, 1×2, 2×1, 2×2Image buffer128M BytesUser parameter area4K BytesCapture modeContinuous/Soft trigger/Hard triggerData InterfaceGigE @ 1Gbpstransmission distance100mDigital I/06-pin connector for power supply and I/0: One opto-isolated input, and two opto-isolated outputPower supply12 VDC, supports PoE power supplyPower consumption<3.0 W@12 VDC	Dynamic Range	65. 2 dB
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Capture modeContinuous/Soft trigger/Hard triggerData InterfaceGigE @ 1Gbpstransmission distance100mDigital I/O6-pin connector for power supply and I/O: One opto-isolated input, and two opto-isolated outputPower supply12 VDC, supports PoE power supplyPower consumption<3.0 W@12 VDC	Image buffer	128M Bytes
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Digital I/06-pin connector for power supply and I/0: One opto-isolated input, and two opto-isolated outputPower supply12 VDC, supports PoE power supplyPower consumption<3.0 W@12 VDC	Data Interface	GigE @ 1Gbps
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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)	Power consumption	<3.0 W@12 VDC
Ingress protectionIP30Weight (typical)66gTemperatureWorking temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)	Dimension	29mm x 29mm x 43mm (excluding len holder and interface)
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TemperatureWorking temperature:0 ° C to 50 ° C (32 ° F to 122 ° F)Storage temperature:-30 ° C to 70 ° C (-22 ° F to 158 ° F)	Ingress protection	IP30
Temperature Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)	Weight (typical)	66g
Humidity 20% to 80% RH, without condensation	Temperature	
	Humidity	20% to 80% RH, without condensation
Driver DirectShow, Twain, Halcon, OCX	Driver	DirectShow、Twain、Halcon、OCX
Software support Halcon、OpenCV、LabView、Matlab	Software support	Halcon、OpenCV、LabView、Matlab
Development languages C/C++、VB6、VB.net、Delphi6、C#、QT、C++Builder、LabView、Python	Development languages	C/C++、VB6、VB.net、Delphi6、C#、QT、C++Builder、LabView、Python
Operating system Windows, Linux, Android, MacOS	Operating system	Windows, Linux, Android, MacOS

UGSMT1000C

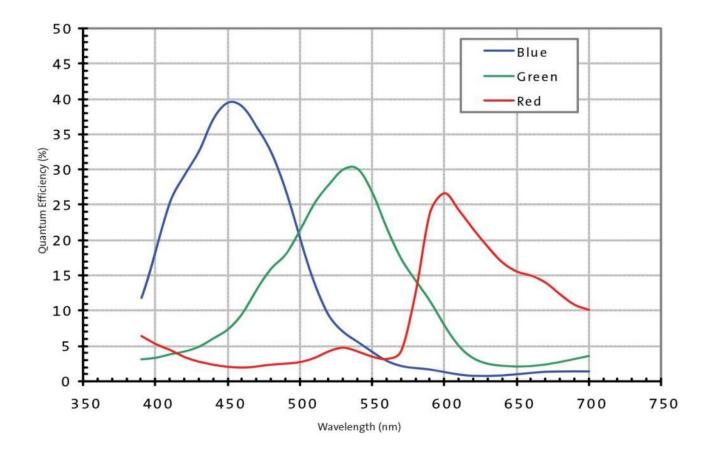
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Compatibility
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GigE Vision 、GenICam

MECHANICAL SPECIFICATION



SPECTRUM CHART



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