

# UGSMT630C GigE Camera



- ◆ Resolution: 6.3 MP
- ◆ Frame Rate: 18 fps
- ◆ Mono/Color: Color
- ◆ Shutter: Rolling Shutter
- ◆ Data Interface: GigE

UGSMT630C 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, 6.3 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

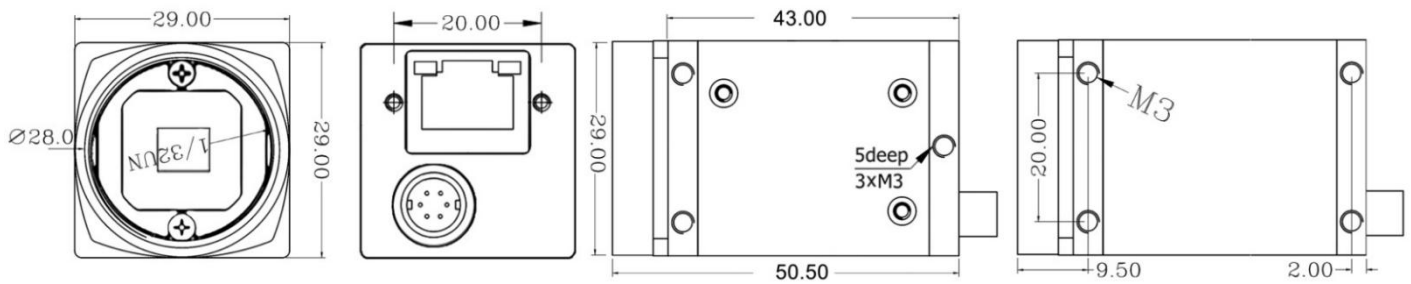
## SELECTION KEYPOINT

- 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                 | UGSMT630C   |
| Resolution            | 6.3MP   |
| Type                  | 6.3MP 1/1.8" GigE Camera  |
| Sensor Type           | CMOS  |
| Sensor                | IMX178  |
| Mono/Color            | Color   |
| Shutter               | Rolling Shutter   |
| Resolution(HxV)       | 3088x2064   |
| Frame Rate            | 18fps   |
| Sensor size           | 1/1.8"  |
| Pixel size            | 2.4μm x 2.4μm   |
| SNR                   | 41.3dB  |
| Gain                  | 20dB  |
| Dynamic Range         | 71.3 dB   |
| Exposure Time         | 0.027-3000ms  |
| Sensitivity           | 425mV 1/30s   |
| 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)<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   |

## MECHANICAL SPECIFICATION



## SPECTRUM CHART

