

U3SMT900M USB3.0 Camera



- ◆ Resolution: 9.0 MP
- ◆ Frame Rate: 20 fps
- ◆ Mono/Color: Mono
- ◆ Shutter: Rolling Shutter
- ◆ Data Interface: USB3.0

U3SMT900M 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, 9.0 MP
- Support hardware triggering, flash sync
- USB3.0 connector with locking seat, plug and play without power supply
- Support Windows, Android, Linux, MacOS
- The camera with frame buffer, Multiple cameras working simultaneously

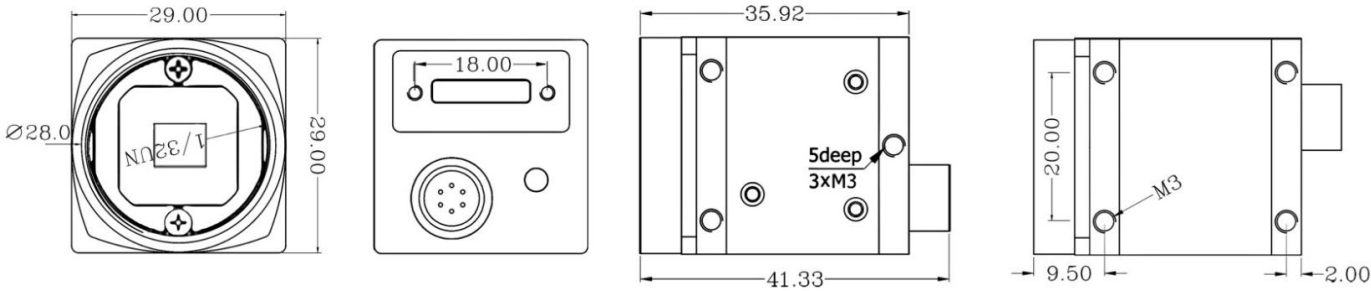
SELECTION KEYPOINT

- 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

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|-----------------------|---|
| Model | U3SMT900M |
| Resolution | 9.0MP |
| Type | 9.0MP 1" USB3.0 Camera |
| Sensor Type | CMOS |
| Sensor | IMX533 |
| Mono/Color | Mono |
| Shutter | Rolling Shutter |
| Resolution(HxV) | 3008x3008 |
| Frame Rate | 20fps |
| Sensor size | 1" |
| Pixel size | 3.76μm x 3.76μm |
| SNR | |
| Gain | 20dB |
| Dynamic Range | |
| Exposure Time | 0.032-3000ms |
| Sensitivity | |
| 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 |

MECHANICAL SPECIFICATION



SPECTRUM CHART

