

## U2SMT131GM USB2.0 Camera



- ◆ Resolution: 1.3 MP
- ◆ Frame Rate: 30 fps
- ◆ Mono/Color: Mono
- ◆ Shutter: Global Shutter
- ◆ Data Interface: USB2.0

U2SMT131GM is a brand-new USB2.0 industrial camera launched by our company. On the basis of the previous generation of products, it greatly reduces the difficulty of process assembly and further enhances the compatibility of products. The size is only 29mm x 29mm x 35mm. The USB2.0 interface has a locking seat. It is plug and play without power supply, and can be flexibly installed in different structures.

U2SMT 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, 1.3 MP
- Support hardware triggering, flash sync
- USB2.0 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

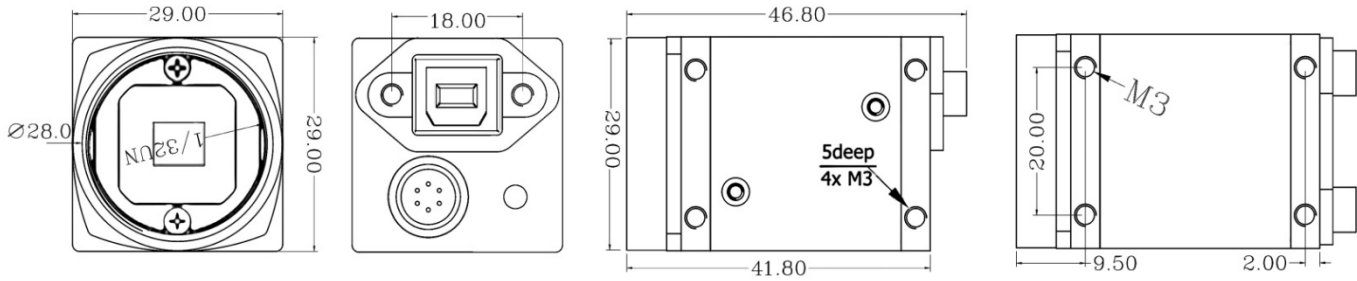
- No external power supply is required
- Aximum transmission rate 480 Mbps
- The effective transmission distance is 5 metres
- Small, suitable for more application scenarios

## TECHNICAL PARAMETER

|                       |   |
|-----------------------|---|
| Model                 | U2SMT131GM  |
| Resolution            | 1.3MP   |
| Type                  | 1.3MP 1/1.8" USB2.0 Camera  |
| Sensor Type           | CMOS  |
| Sensor                | EV76C560  |
| Mono/Color            | Mono  |
| Shutter               | Global Shutter  |
| Resolution(HxV)       | 1280x1024   |
| Frame Rate            | 30fps   |
| Sensor size           | 1/1.8"  |
| Pixel size            | 5.3μm x 5.3μm   |
| SNR                   | 41dB  |
| Gain                  | 8dB   |
| Dynamic Range         | 62dB  |
| Exposure Time         | 0.016-30000ms   |
| Sensitivity           | 7.4V/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          | 32M Bytes   |
| User parameter area   | 4K Bytes  |
| Capture mode          | Continuous/Soft trigger/Hard trigger  |
| Data Interface        | USB2.0 @ 480Mbps  |
| transmission distance | 5m  |
| Digital I/O           | I/O: One opto-isolated input, and two opto-isolated output  |
| Power supply          | 5VDC, USB2.0 power supply   |
| Power consumption     | <3.0 W@5 VDC  |
| Dimension             | 29mm x 29mm x 35mm (excluding len holder and interface)   |
| Lens mount            | C-mount / CS-mount  |
| Ingress protection    | IP30  |
| Weight (typical)      | 70g   |
| 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 |
| Compatibility    | Directshow、Twain            |

## MECHANICAL SPECIFICATION



## SPECTRUM CHART

