U2SMT1600M USB2.0 Camera

◆ **Resolution:** 16.0 MP

◆ **Frame Rate:** 3fps

◆ **Mono/Color:** Mono

◆ **Shutter:** Rolling Shutter

◆ **Data Interface:** USB2.0

U2SMT1600M 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,16.0 MP

➢ Support hardware triggering, flash sync

➢ USB2.0 connecter with locking seat, plug and play without power supply

➢ Support Windows, Android, Linux, MacOS

➢ The camera with frame buffer, Multiple cameras working simultaneously
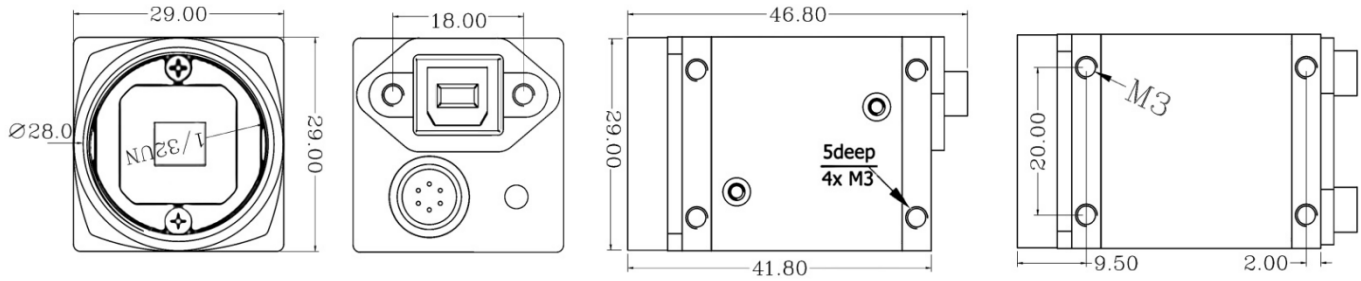
SELECTION KEYPOINT

➢ 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	U2SMT1600M
Resolution	16.0MP
Type	16.0MP 1/2.3″ USB2.0 Camera
Sensor Type	CMOS
Sensor	IMX206
Mono/Color	Mono
Shutter	Rolling Shutter
Resolution(HxV)	4608x3456
Frame Rate	3fps
Sensor size	1/2.3″
Pixel size	1.34μm x 1.34μm
SNR	34dB
Gain	16dB
Dynamic Range	65.2dB
Exposure Time	0.0763-30000ms
Sensitivity	142mV/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) 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