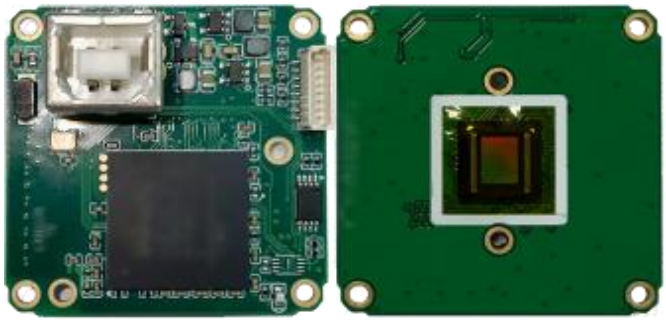
U2BMT130M USB2.0 Camera module



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

The U2BMT series has excellent performance, is compact and lightweight, affordable, easy to install and use, and is compatible with third-party machine vision development software. Our company provides a complete SDK development package and a full range of technical support to help your project land quickly. The U2BMT series is suitable for applications that have strict requirements on stability, compatibility, size, and cost-effectiveness.

CHARACTERISTIC

- CMOS sensor,1.3 MP
- Support hardware triggering, flash sync
- Support Windows, Android, Linux, MacOS
- The camera with frame buffer, Multiple cameras working simultaneously

SELECTION KEYPOINT

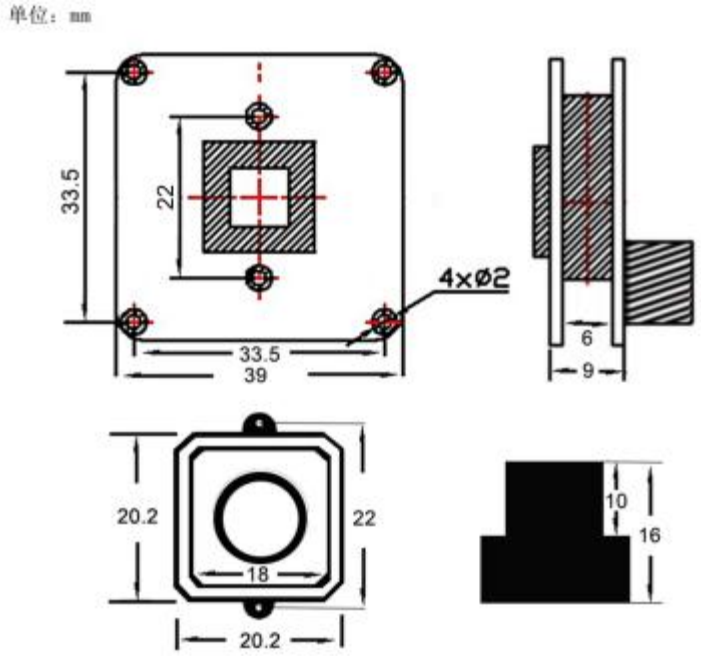
- No external power supply is required
- Aximum transmission rate 480 Mbps
- The effective transmission distance is 5 metres
- Small, suitable for more application scenarios

TECHNICAL PARAMETER

Model	U2BMT130M
Resolution	1.3MP
Type	1.3MP 1/2″ USB2.0 Camera
Sensor Type	CMOS
Sensor	MT9M001
Mono/Color	Mono
Shutter	Rolling Shutter
Resolution(HxV)	1280x1024
Frame Rate	30fps
Sensor size	1/2″
Pixel size	5.2μm x 5.2μm
SNR	45dB
Gain	15dB
Dynamic Range	68.2dB
Exposure Time	0.0333-30000ms
Sensitivity	2.1V/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	39mmx39mmx9mm（excluding len holder and interface）
Lens mount	C-mount / CS-mount
Ingress protection	IP30
Weight (typical)	16g（excluding len holder and interface）
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