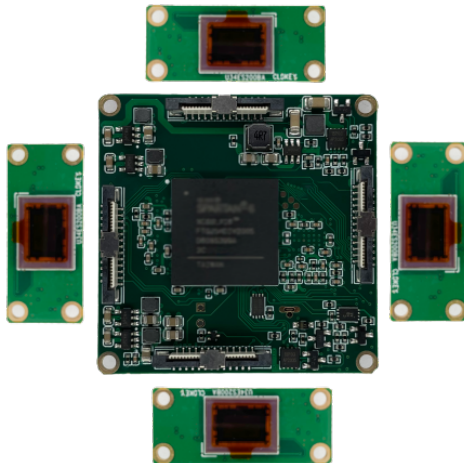# U3BMT200M-4C Quadruple Camera Module

◆ **Resolution:** 2 MP

◆ **Frame Rate:** 40 fps

◆ **Mono/Color:** Mono

◆ **Shutter:** Rolling Shutter

◆ **Data Interface:** USB3.0

Four-channel Camera

U3BMT200M-4C is a new generation product that our engineers have fully optimized on the basis of the structure of the third generation four-channel product series, which greatly reduces the difficulty of process assembly and enhances the compatibility of the product. At the same time, the software functions have also been optimized to allow more camera functions to be implemented in the software code, reducing the use of logic resources; reducing power consumption and increasing compatibility.

U3BMT200M-4C is a USB3.0 four-channel camera that can achieve four-channel real-time synchronous sampling and can flexibly configure the number of working channels; provide a complete set of SDK development packages; widely used in 3D measurement modeling, multi-channel bonding, multi-spectral cameras and other application fields.

CHARACTERISTIC

➢ Process four channels of data acquisition and image display simultaneously

➢ Support external trigger, flash synchronization

➢ Flexible channel selection (binocular/trinocular)

➢ Built-in frame buffer, SDK supports secondary development

SELECTION KEYPOINT

➢ Support Windows, Android, Linux, MacOS

➢ The effective transmission distance is 5 metres

➢ Small, suitable for more application scenarios

TECHNICAL PARAMETER

Model	U3BMT200M-4C
Resolution	2MP
Type	2MP 1/2.8″ Quadruple Camera Module
Sensor Type	CMOS
Sensor	IMX290
Mono/Color	Mono
Shutter	Rolling Shutter
Resolution(HxV)	1920x1080×4
Frame Rate	30×4 fps
Sensor size	1/2.8″
Pixel size	2.9μm x 2.9μm
SNR	38dB
Gain	20dB
Dynamic Range	66dB
Exposure Time	0.0363-30000ms
Sensitivity	1000mV/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	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(USB powered)
Dimension	45mmx45mmx12.2mm(excluding lens mount and interface)
Lens mount	C-mount / CS-mount/M12
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
Compatibility	USB3 Vision，GenlCam

MECHANICAL SPECIFICATION

SPEC

FPC底座

4.4mm

1.2mm