UGBMT200M-4C Quadruple Camera Module
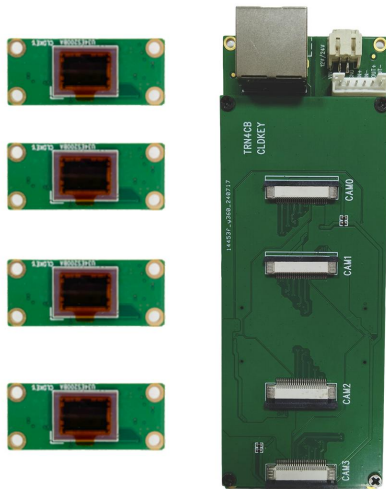

◆ Resolution: 2 MP

◆ Frame Rate: 13 fps

◆ Mono/Color: Mono

◆ Shutter: Rolling Shutter

◆ Data Interface: GigE Four-channel Camera

UGBMT200M-4C is a new generation product that our engineers have fully optimized based on the third generation four-channel product. Compared with multiple cameras forming a synchronization system, users do not need to consider the synchronization mechanism. Secondary development is simple and easy to use. It can achieve nanosecond clock synchronization and achieve a higher frame rate under the same specifications and test conditions. Our company provides a complete SDK and full range of technical support to help your project land quickly. This series is widely used in 3D applications, multi-channel bonding, multi-spectral cameras, soil monitoring, optical zoom, multi-eye stereo vision measurement and other fields.

CHARACTERISTIC

➤ CMOS sensor, 2 MP

➤ High integration, easy to develop and use

➤ Nanosecond clock synchronization

➤ Flexible channel selection
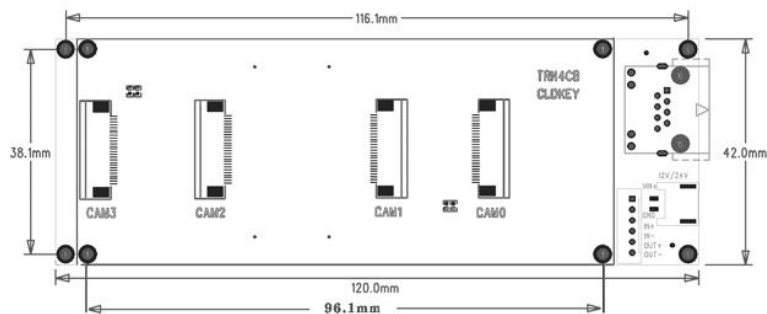
➤ Support Windows, Android, Linux, MacOS

SELECTION KEYPOINT

➤ Aximum transmission rate 1 Gbps

➤ The effective transmission distance is 5 metres

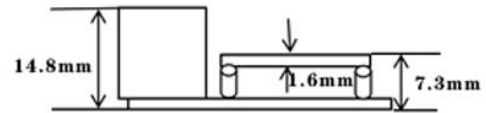➤ Small, suitable for more application scenarios

TECHNICAL PARAMETER

Model	UGBMT200M-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
Frame Rate	13 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	128M Bytes
User parameter area	4K Bytes
Capture mode	Continuous/Soft trigger/Hard trigger
Data Interface	GigE @ 1Gbpss
transmission distance	100m
Digital I/O	6-pin connector for power supply and I/O: One opto-isolated input, and two opto-isolated output
Power supply	12 VDC, supports PoE power supply
Power consumption	＜3.0 W@12 VDC
Dimension	120mmx42mm(excluding lens mount and interface)
Lens mount	C-mount / CS-mount
Ingress protection	IP30
Weight (typical)	-
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

平面   侧面

SPECTRUM CHART