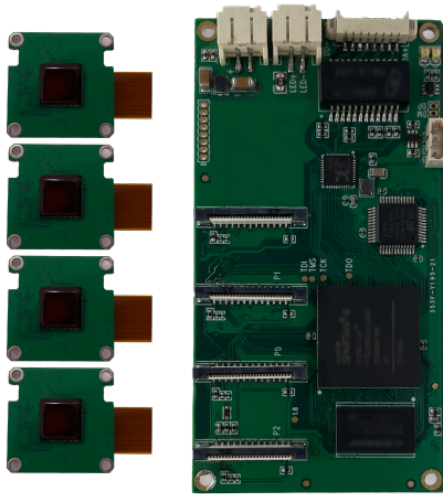


# UGBMT200GM-4C Quadruple Camera Module



- ◆ Resolution: 2.3 MP
- ◆ Frame Rate: 13 fps
- ◆ Mono/Color: Mono
- ◆ Shutter: Global Shutter
- ◆ Data Interface : GigE

Four-channel Camera

UGBMT200GM-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, 2.3 MP
- High integration, easy to develop and use
- Nanosecond clock synchronization
- Flexible channel selection
- Support Windows, Android, Linux, MacOS

## SELECTION KEYPOINT

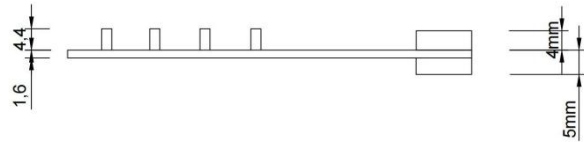
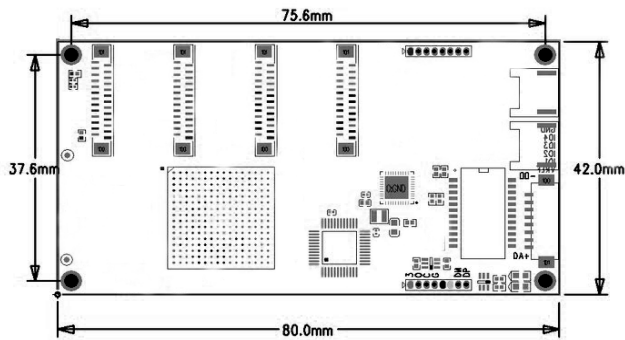
- Aximum transmission rate 1 Gbps
- The effective transmission distance is 5 metres
- Small, suitable for more application scenarios

## TECHNICAL PARAMETER

|                       |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Model                 | UGBMT200GM-4C                                                                                                           |
| Resolution            | 2.3MP                                                                                                                   |
| Type                  | 2.3MP 1/2.6" Quadruple Camera Module                                                                                    |
| Sensor Type           | CMOS                                                                                                                    |
| Sensor                | AR0234                                                                                                                  |
| Mono/Color            | Mono                                                                                                                    |
| Shutter               | Global Shutter                                                                                                          |
| Resolution(HxV)       | 1920x1200                                                                                                               |
| Frame Rate            | 13 fps                                                                                                                  |
| Sensor size           | 1/2.6"                                                                                                                  |
| Pixel size            | 3.0μm x 3.0μm                                                                                                           |
| SNR                   | 38dB                                                                                                                    |
| Gain                  | 4dB                                                                                                                     |
| Dynamic Range         | 71.4dB                                                                                                                  |
| Exposure Time         | 0.010-3000ms                                                                                                            |
| Sensitivity           | 5600mV/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 @ 1Gbps                                                                                                            |
| transmission distance | 100m                                                                                                                    |
| Digital I/O           | ector 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             | 80mmx42mm(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)<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    | USB3 Vision, GenlCam        |

## MECHANICAL SPECIFICATION



## SPECTRUM CHART

