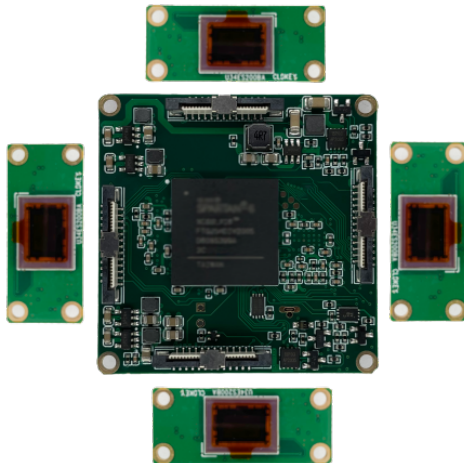


U3BMT200C-4C Quadruple Camera Module



- ◆ Resolution: 2 MP
- ◆ Frame Rate: 40 fps
- ◆ Mono/Color: Color
- ◆ Shutter: Rolling Shutter
- ◆ Data Interface : USB3.0

Four-channel Camera

U3BMT200C-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.

U3BMT200C-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 | U3BMT200C-4C |
| Resolution | 2MP |
| Type | 2MP 1/2.8" Quadruple Camera Module |
| Sensor Type | CMOS |
| Sensor | IMX290 |
| Mono/Color | Color |
| 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, GenICam |

MECHANICAL SPECIFICATION

SPEC

