

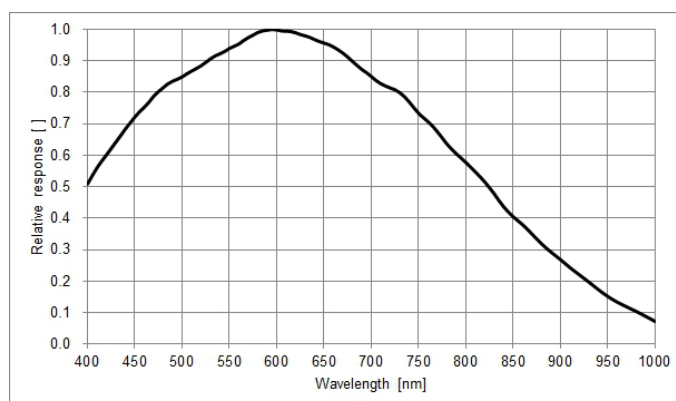
- 12MP @23.4 fps
- USB 3.0 interface with plug and play capability, USB3.0 power supply
- Compatible with USB3 Vision Protocol, GenICam Standard, and the third-party software based on these protocol and standard
- Support Windows、Linux
- USB3.0 Board-Level Camera



**Applied range** • Defect Detection • Surface Patch Detection • Visual Positioning • Size Measuring • QR Code Reading • VR/AR • Logistics

| Camera                | Mars12MS-23um-BC                                                                                                 |
|-----------------------|------------------------------------------------------------------------------------------------------------------|
| Resolution [H*V]      | 4096 × 3000                                                                                                      |
| Sensor                | IMX304                                                                                                           |
| Sensor Size           | 1/1.1"                                                                                                           |
| Sensor Technology     | Global, CMOS                                                                                                     |
| Pixel Size [μm]       | 3.45 × 3.45                                                                                                      |
| Frame Rate [fps]      | 23.4                                                                                                             |
| Data Bit              | 10bit                                                                                                            |
| Exposure Time         | 16μs~1s                                                                                                          |
| Dynamic Range         | >70dB                                                                                                            |
| Mono/Color            | Mono                                                                                                             |
| Image Format          | Mono8/10/10Packed                                                                                                |
| Interface             | USB3.0                                                                                                           |
| Synchronization       | Via hardware trigger、software trigger or free run mode                                                           |
| Housing Size [l*w*h]  | 35.0 × 35.0 × 31.0 (50g)                                                                                         |
| Operating Temperature | -30~80 ° C (Storage), -30~50° C (Working)                                                                        |
| Lenses Mount          | C-Mount                                                                                                          |
| Digital I/O           | 5 pin trigger connector:<br>Opto-isolated input x1, Opto-isolated output x1,<br>configurable input and output x1 |
| Power Input           | DC 5V, Supporting USB                                                                                            |
| Power Consumption     | 5V@ ≈ 3.2W                                                                                                       |
| Driver                | Mars Series Camera Software Suite or<br>3rd party USB3 Vision Software                                           |
| Operating System      | Windows, Linux                                                                                                   |
| Conformity            | USB3 Vision, GenICam                                                                                             |

### Spectral Response



### Dimensions

