

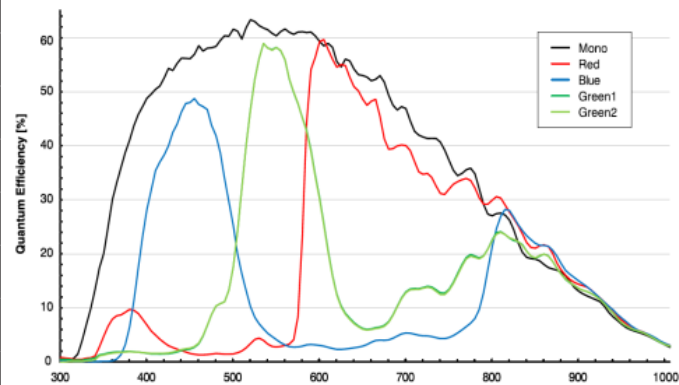
- 12MP @28.6 fps
- USB 3.0 interface with plug and play capability, USB3.0 power supply
- Compatible with USB3 Vision Protocol, GenICam Standard, and the third-party software based on these protocol and standard
- Support Windows、Linux
- 256 MB local memory for burst transmission and retransmission



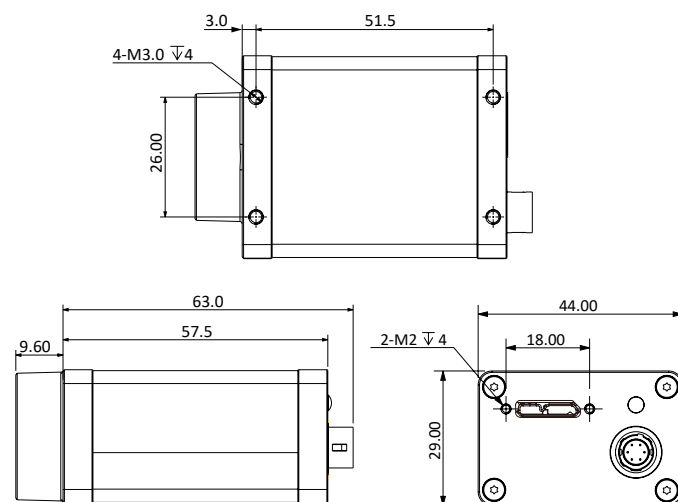
**Applied range** • Defect Detection • Surface Patch Detection • Visual Positioning • Size Measuring • QR Code Reading • VR/AR • Logistics

| Camera                | Mars4112X-30um/uc                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------|
| Resolution [H*V]      | 4096 x 3072                                                                                       |
| Sensor                | XGS12000                                                                                          |
| Sensor Size           | 1"                                                                                                |
| Sensor Tecchnology    | Global, CMOS                                                                                      |
| Pixel Size [μm]       | 3.2 x 3.2                                                                                         |
| Frame Rate [fps]      | 28.6                                                                                              |
| Data Bit              | 12bit                                                                                             |
| Exposure Time         | 29μs~1s                                                                                           |
| Dynamic Range         | 70dB                                                                                              |
| Mono/Color            | Mono/Color                                                                                        |
| Image Format          | Monochrome: Mono8/10/10Packed<br>Color: BayerRG8/10/10Packed, BayerGB8/10/10Packed                |
| Interface             | USB 3.0                                                                                           |
| Synchronization       | Via hardware trigger、software trigger or free run mode                                            |
| Housing Size [l*w*h]  | 29.0 × 44.0 × 58.0 mm (100g)                                                                      |
| Operating Temperature | -30~80 ° C (Storage), -30~50° C (Working)                                                         |
| Lenses Mount          | C-Mount                                                                                           |
| Digital I/O           | Opto-isolated input x 1, opto-isolated output x 1, and bi-directional custom non-isolated I/O x 1 |
| Power Input           | DC 9-24V, Supporting USB                                                                          |
| Power Consumption     | 12V@ ≈ 4.0W                                                                                       |
| Driver                | Mars Series Camera Software Suite or 3rd party USB3 Vision Software                               |
| Operating System      | Windows, Linux                                                                                    |
| Conformity            | USB3 Vision, GenICam                                                                              |

### Spectral Response



### Dimensions



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