

- VGA resolution @13fps
- Adopts GigE interface and max. transmission distance of 100 meters without relay
- Compatible with GigE Vision Protocol and the third-party software based on the protocol
- Support Windows, Linux operating platform
- Up to 128 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                       | Mars4096S-13gm/gc                                                                                                        |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Resolution [H*V]             | 4096x2160                                                                                                                |
| Sensor                       | IMX267                                                                                                                   |
| Sensor Size                  | 1"                                                                                                                       |
| Sensor Technology            | Global, CMOS                                                                                                             |
| Pixel Pize [ $\mu\text{m}$ ] | 3.45x3.45                                                                                                                |
| Rrame Rate [fps]             | 13                                                                                                                       |
| Data Bit                     | 8bit / 10bit                                                                                                             |
| Exposure Time                | 48 $\mu\text{s}$ ~1s                                                                                                     |
| Dynamic Range                | >70dB                                                                                                                    |
| Mono/Color                   | Mono/Color                                                                                                               |
| Image Format                 | Mono: Mono8/10/10packed<br>Color: Mono8,BayerRG8/10/10Packed,<br>BayerGB8/10/10Packed/YUV422Packed;                      |
| Interface                    | GigE (1000 Mbit/s)                                                                                                       |
| Synchronization              | Via hardware trigger、software trigger、<br>or free run mode                                                               |
| Programmable Control [ISP]   | Image resolution、RGB gain、Exposure time、<br>Contrast ratio、Gamma form、Image rollovers、<br>Raw、LUT、Black level correction |
| Housing Size [l*w*h]         | 44.0 mm $\times$ 29.0 mm $\times$ 58.0 mm (100g)                                                                         |
| Operating Temperature        | -30~80 $^{\circ}\text{C}$ (Storage), -30~50 $^{\circ}\text{C}$ (Working)                                                 |
| Lenses Mount                 | C-Mount                                                                                                                  |
| Digital I/O                  | Opto-isolated input x 1, opto-isolated output x 1,<br>1 configurable input/output without opto<br>isolation              |
| Power Input                  | DC 6-26, Support POE                                                                                                     |
| Power Consumption            | 12V@3.2W                                                                                                                 |
| Driver                       | Mars series camera software suite or<br>third-party GigE Vision protocol software                                        |
| Operating System             | Windows, Linux                                                                                                           |
| Conformity                   | GigE Vision, GenICam                                                                                                     |

### Spectral Response

