

- VGA resolution @ 20fps
- 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                     | Mars 5000-20gm/gc                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Resolution [H*V]           | 2592 × 2048                                                                                                              |
| Sensor                     | ON Semiconductor PYTHON 5000                                                                                             |
| Sensor Size                | 1"                                                                                                                       |
| Sensor Technology          | Global, CMOS                                                                                                             |
| Pixel Pize [μm]            | 4.8x4.8                                                                                                                  |
| Rrame Rate [fps]           | 20                                                                                                                       |
| Data Bit                   | 8bit / 10bit                                                                                                             |
| Exposure Time              | 1μs~1s                                                                                                                   |
| Dynamic Range              | >60dB                                                                                                                    |
| Mono/Color                 | Mono/Color                                                                                                               |
| Image Format               | Mono:Mono8/10/10Packed<br>Color:Mono8, BayerRGB/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]       | 42.0 mm × 29.0 mm × 29.0 mm (88g)                                                                                        |
| 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,<br>1 configurable input/output without opto<br>isolation              |
| Power Input                | DC6~24, Support POE                                                                                                      |
| Power Consumption          | 12V@3.5W                                                                                                                 |
| Driver                     | Mars series camera software suite or<br>third-party GigE Vision protocol software                                        |
| Operating System           | Windows, Linux                                                                                                           |
| Conformity                 | GigE Vision, GenICam                                                                                                     |

### Spectral Response

Spectral Response Curve

