



**Mars3800A-10gm**



- 10M resolution @ 10fps
- 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                     | Mars3800A-10gm                                                                                                   |
|----------------------------|------------------------------------------------------------------------------------------------------------------|
| Resolution [H*V]           | 3840 × 2748                                                                                                      |
| Sensor                     | MT9J003                                                                                                          |
| Sensor Size                | 1/2.3"                                                                                                           |
| Sensor Technology          | Rolling, CMOS                                                                                                    |
| Pixel Pize [μm]            | 1.67 × 1.67                                                                                                      |
| Rrame Rate [fps]           | 10                                                                                                               |
| Data Bit                   | 8bit / 10bit/ 12bit                                                                                              |
| Exposure Time              | 25μs~1s                                                                                                          |
| Dynamic Range              | >65dB                                                                                                            |
| Mono/Color                 | Mono                                                                                                             |
| Image Format               | Mono8/10/10Packed/12/12Packed                                                                                    |
| Interface                  | GigE (1000 Mbit/s)                                                                                               |
| Synchronization            | Via hardware trigger、software trigger、or free run mode                                                           |
| Programmable Control [ISP] | Image resolution、RGB gain、Exposure time、Contrast ratio、Gamma form、Image rollovers、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, 1 configurable input/output without opto isolation            |
| Power Input                | DC6~24, Support POE                                                                                              |
| Power Consumption          | 12V@2.9W                                                                                                         |
| Driver                     | Mars series camera software suite or third-party GigE Vision protocol software                                   |
| Operating System           | Windows, Linux                                                                                                   |
| Conformity                 | GigE Vision, GenICam                                                                                             |

### Spectral Response

