

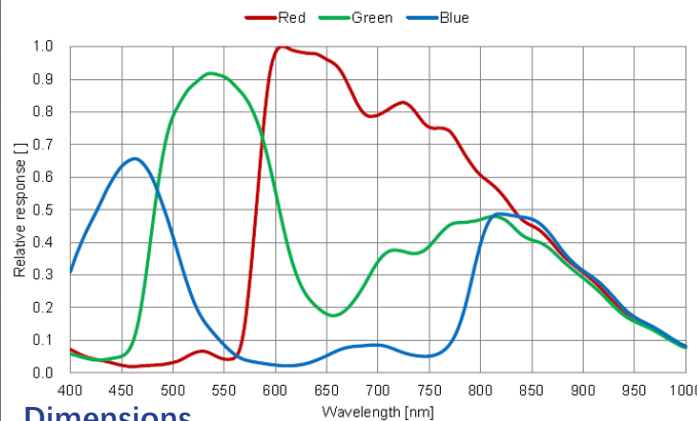
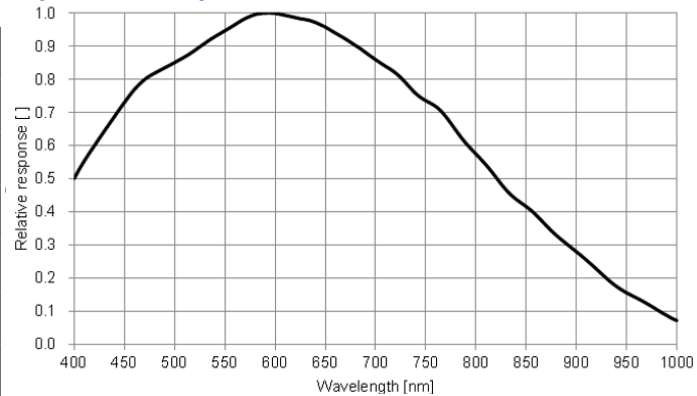
- 1.6MP @78.2 fps
- Adopts GigE interface and max. transmission distance of 100 meters without relay
- Compatible with GigE Vision Protocol, GenICam Standard, and the third-party software based on these protocol and standard.
- Support Windows、Linux
- Up to 128 MB local memory for burst transmission and retransmission



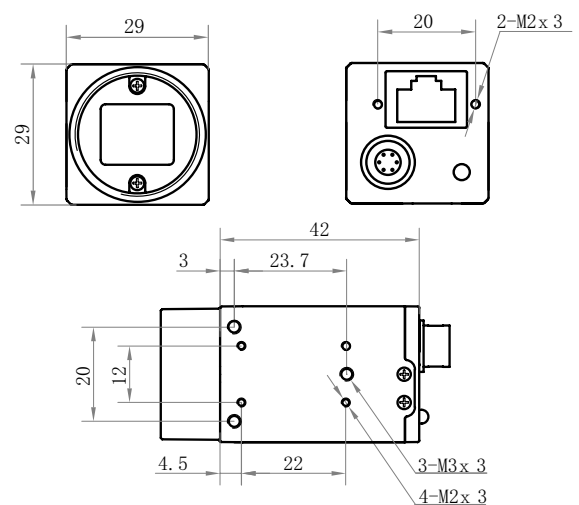
**Applied range** • Defect Detection • Surface Patch Detection • Visual Positioning • Size Measuring • QR Code Reading • VR/AR • Logistics

| Camera                     | LEO 1440S-78gm/gc                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Resolution [H*V]           | 1440 × 1080                                                                                                               |
| Sensor                     | Sony IMX273                                                                                                               |
| Sensor Size                | 1/2.9"                                                                                                                    |
| Sensor Technology          | Global, CMOS                                                                                                              |
| Pixel Size [μm]            | 3.45 × 3.45                                                                                                               |
| Frame Rate [fps]           | 78.2                                                                                                                      |
| Data Bit                   | 8bit / 10bit / 12bit                                                                                                      |
| Exposure Time              | 1μs~10s                                                                                                                   |
| Dynamic Range              | >71dB                                                                                                                     |
| Mono/Color                 | Mono/Color                                                                                                                |
| Image Format               | Monochrome: Mono8/10/10p/12/12p<br>Color: Mono 8/10/12, Bayer RG 8/10/10p/12/12p, YUV422Packed, YUV422_YUYV_Packed, RGB 8 |
| Interface                  | GigE                                                                                                                      |
| 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]       | 29.0 × 29.0 × 42.0 mm (65g)                                                                                               |
| Operating Temperature      | -30~70 ° C (Storage), 0~50° 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 PoE                                                                                                  |
| Power Consumption          | 12V @3.0W                                                                                                                 |
| Driver                     | LEO Series Camera Software Suite (iDatum) or 3rd party GigE Vision Software                                               |
| Operating System           | Windows, Linux                                                                                                            |
| Conformity                 | GigE Vision, GenICam                                                                                                      |

### Spectral Response



### Dimensions



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