

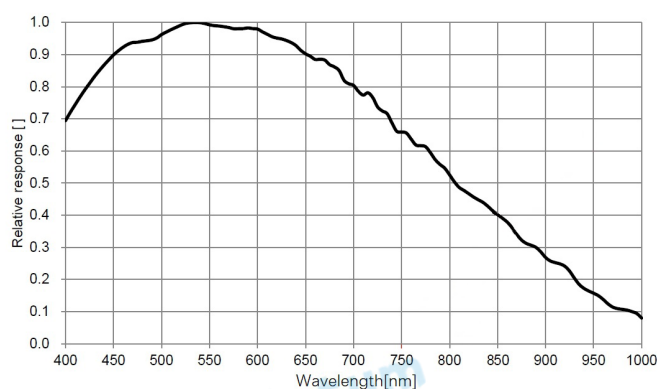
- 12MP @31 fps
- USB 3.0 interface with plug and play capability, USB3.0 power supply
- Compatible with USB3 Vision Protocol, GenICam Standard, and the third-party software based on these protocol and standard
- Support Windows、Linux
- 128 MB local memory for burst transmission and retransmission



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

Camera	Mars4096S-31um
Resolution [H*V]	4096 × 3000
Sensor	Sony IMX545
Sensor Size	1/1.1"
Sensor Technology	Global, CMOS
Pixel Size [μm]	2.74 × 2.74
Frame Rate [fps]	31
Data Bit	10bit
Exposure Time	1μs~1s
Dynamic Range	>70dB
Mono/Color	Mono
Image Format	Mono8/10/10Packed
Interface	USB 3.0
Synchronization	Via hardware trigger、software trigger or free run mode
Housing Size [l*w*h]	29.0 × 29.0 × 29.0 mm (60g)
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@ ≈ 4.1W
Driver	Mars Series Camera Software Suite or 3rd party USB3 Vision Software
Operating System	Windows, Linux
Conformity	USB3 Vision, GenICam

Spectral Response



Dimensions

