

- VGA resolution @815 fps
- USB 3.0 interface with plug and play capability, USB3.0 power supply
- Followed USB3 Vision international standard agreement, smoothly docking with third-party platforms.
- 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 640-815um/uc
Resolution [H*V]	640 × 480
Sensor	ON Semiconductor PYTHON 300
Sensor Size	1/4"
Sensor Technology	Global, CMOS
Pixel Pize [μm]	4.8 × 4.8
Rrame Rate [fps]	815
Data Bit	8bit / 10bit
Exposure Time	1μs~1s
Dynamic Range	>60dB
Mono/Color	Mono/Color
Image Format	Mono:Mono8/10/10Packed Color:BayerRG8,BayerGB
Interface	USB3.0
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 mm × 29.0 mm × 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, 1 configurable input/output without opto isolation
Power Input	Via USB 3.0 interface
Power Consumption	3.5W
Driver	Mars series camera software suite or third-party USB3 Vision protocol software
Operating System	Windows, Linux
Conformity	USB3.0 Vision, GenICam

Spectral Response

Spectral Response Curve

