



Mars 640-300gm/gc



- 0.5M resolution @ 300fps
- 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 640-300gm/gc
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]	300
Data Bit	8bit / 10bit
Exposure Time	1μs~1s
Dynamic Range	>60dB
Mono/Color	Mono/Color
Image Format	Monochrome: Mono8/10/10packed Color: Mono8, BayerRG8/10/10packed, RGB8packed, YUV422packed
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	DC 6-24V, Support POE
Power Consumption	12V @3.1W
Driver	Mars series camera software suite or third-party GigE Vision protocol software
Operating System	Windows, Linux
Conformity	GigE Vision, GenICam

Spectral Response

