

ATO

USB Industrial Camera

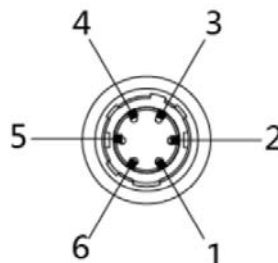
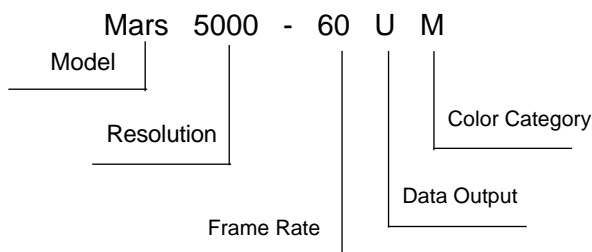


Specifications

- ★ Support GenICam™ and USB3 Vision® Standard
- ★ Compact Design, Save Installation Space
- ★ Hard Industrial Shell Design
- ★ Built-in Temperature, Power Supply Real-time Monitoring Sensor
- ★ Professional SDK Provided
- ★ Accord with CE, FCC, UL, RoHS certification



Model	Mars640-815UM Mars640-815UC	Mars800-545UM Mars800-545UC	Mars1300-210UM Mars1300-210UC	Mars2000-150UM Mars2000-150UC	Mars5000-60UM Mars5000-60UC
Resolution	640×480	800×600	1280×1024	1920×1200	2592×2048
Sensor Type	PYTHON 300	PYTHON 500	PYTHON 1300	PYTHON 2000	PYTHON 5000
Format	1/4"	1/3"	1/2"	2/3"	1"
Maximum Frame Rate	4.8×4.8				
Pixel Size (μm)	60dB				
Dynamic Range	815fps	545fps	210fps	150fps	60fps
Color Category	Mono/Color				
Data Bits	8bit / 10bit				
Data Output	USB3.0				
Exposure Mode	Global Shutter				
Exposure Time	16μs~1s				
SNR	>38dB				
Lens Mount	Standard C-Mount				
Power Input	USB				
Power Consumption	3.5W				
Hardware Control	6Pin, I/O input (external trigger), I/O output, Opto-couplers Isolation				
Programmable Control	Image Resolution, RGB gain, Exposure Time, Contrast, Gamma Chart, Image Rollover, Raw, LUT, Black Level Correction				
Operating System	Support Windows 2000, Windows XP, Windows 7, Windows 8, Windows 10 Support 32-bit and 64-bit operating system/Arm/Linux				
Operating Temperature	-30~80°C (Storage), -30~60°C (Working)				
Dimension	29.0 mm × 29.0 mm × 29.0 mm (60g)				



- 1 GPIO (Non-isolated software can configure I/O)
- 2 Opto-isolated input
- 3 GPIO (Non-isolated software can configure I/O)
- 4 Opto-isolated output
- 5 Opto-isolated Signal Ground(ISO_GND)
- 6 GPIO Signal Ground(GND)

Spectral curve

Quantum Efficiency

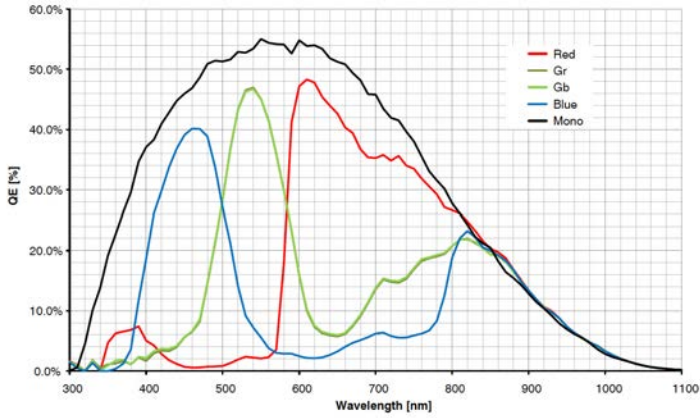


Figure 3. Quantum Efficiency Curve for Mono and Color

Mars640-815UC
Mars800-545UC
Mars1300-210UC

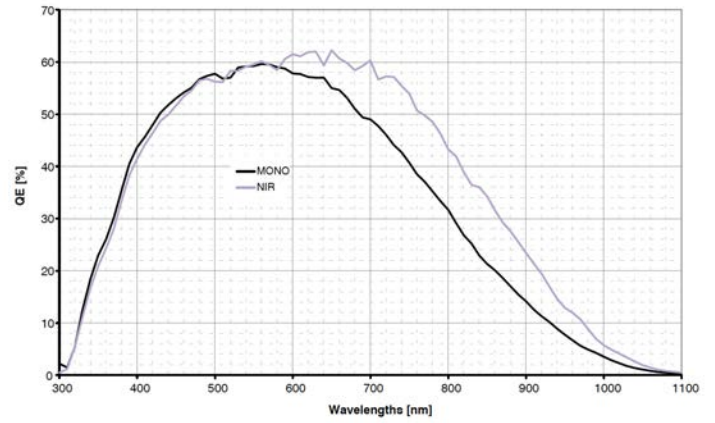


Figure 4. Quantum Efficiency Curve for Standard and NIR Mono

Mars640-815UM
Mars800-545UM
Mars1300-210UM

Spectral Response Curve

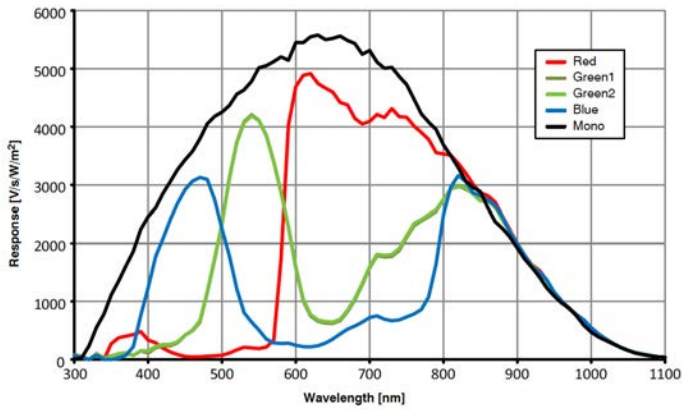


Figure 3. Spectral Response Curve for Mono and Color

Mars2000-150UC
Mars5000-60UC

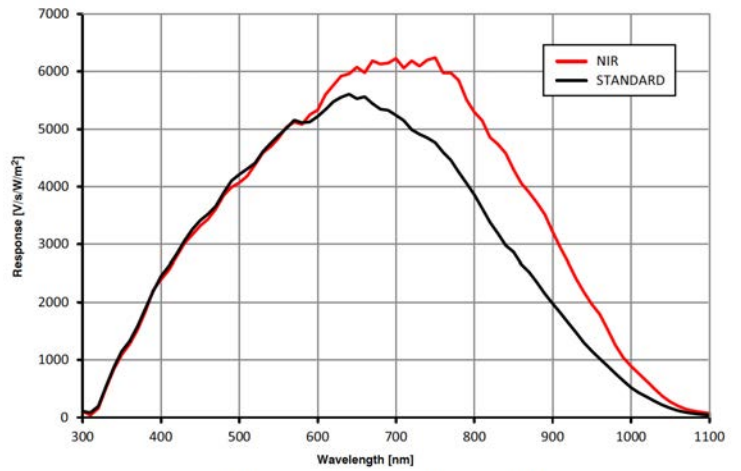


Figure 4. Spectral Response Curve for Standard and NIR Mono

Mars2000-150UM
Mars5000-60UM



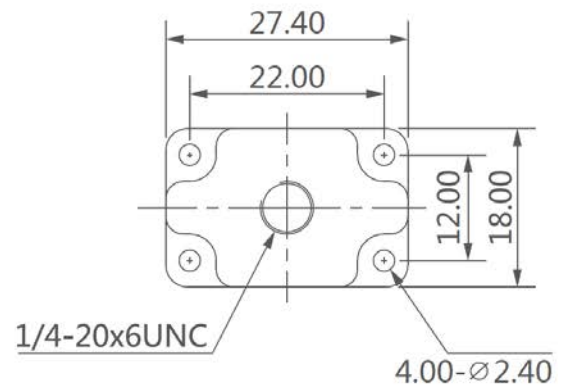
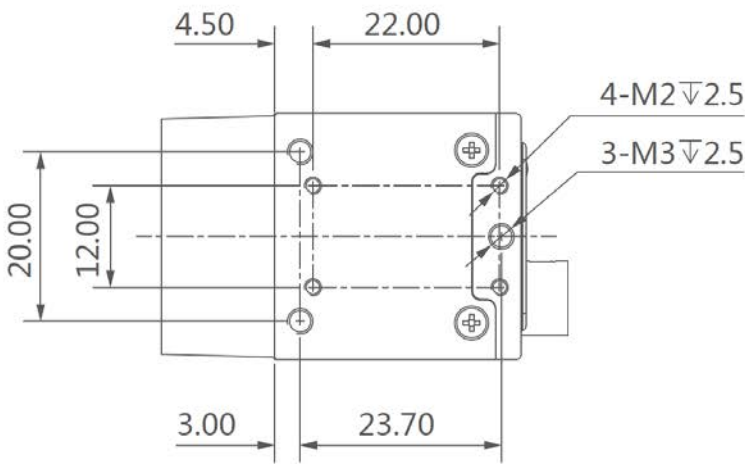
29.00 mm



29.00 mm
42.30 mm



29.00 mm



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