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Camera	Mars 6000S-18gm/gc
Resolution [H*V]	3072 × 2048
Sensor	IMX178
Sensor Size	1/1.8"
Sensor Tecchnology	Rolling, CMOS
Pixel Pize [μm]	2.4x2.4
Rrame Rate [fps]	18
Data Bit	8bit / 10bit/ 12bit
Exposure Time	25μs-1s
Dynamic Range	>66dB
Mono/Color	Mono/Color
Image Format	Mono:Mono8/10/10Packed/12/12Packed Color:Mono8 , BayerRG8/10/10Packed, BayerGB8/10/10Packed,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	DC6~26, Support POE
Power Consumption	12V@ 3.4W
Driver	Mars series camera software suite or third-party GigE Vision protocol software
Operating System	Windows, Linux
Conformity	GigE Vision, GenICam

Figure 1 is a line graph showing the relative response of the photodiode as a function of wavelength. The x-axis represents Wavelength [nm] from 400 to 1000, and the y-axis represents Relative response from 0.0 to 1.0. The curve shows a broad peak around 530 nm with a relative response of 1.0, and a secondary peak around 670 nm with a relative response of approximately 0.8. The response decreases significantly in the red and near-infrared regions.

Wavelength [nm]	Relative response
400	0.70
450	0.85
500	0.95
530	1.00
550	0.98
600	0.90
650	0.82
670	0.80
700	0.75
750	0.60
800	0.45
850	0.38
900	0.22
950	0.15
1000	0.10

