

Mars4096G-L28gm/c-V2

KEY FEATURES

Mars4096G-L28gm/c-V2 is a 4K GigE line scan industrial camera based on a Gpixel sensor, offering 28 kHz line rate, stable long-distance transmission, and GenICam-compliant integration for industrial inspection applications.

- 4K resolution, 7 μ m pixels, high dynamic range and low noise
- 2TDI, multi-ROI, FPN correction, Gamma, LUT, auto black level
- GigE Vision & GenICam compliant, multiple trigger modes, DC 12–24V power

TYPICAL APPLICATIONS



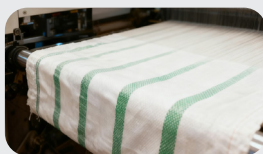
Printing Industry



Electronics Industry



Battery Manufacturing



Textile Industry

► PERFORMANCE

Feature	Mars4096G-L28gm-V2	Mars4096G-L28gc-V2
Resolution [H*V]	4096 × 4	4096 × 3
Sensor	Gpixel	
Pixel Size [μ m]	7 × 7	
Line Frequency [KHz]	28 (After compression the line frequency is 59k)	
Image Format	Mono8/10/12	BayerRG8/RGB8/YUV422Packed
Bit Depth	12	
Dynamic Range	61.5 db	
Signal-to-Noise Ratio (SNR)	40.2 db	
Gain	1~32	
Exposure Time	4 μ s~100ms	
Mono/Color	Mono	Color
Image Acquisition	Software Trigger / Hardware Trigger / Free Run	
Binning	Support	
ROI	Support	
Gamma	Range 0–4, supports LUT	
FPN	Support	

► ELECTRICAL CHARACTERISTICS

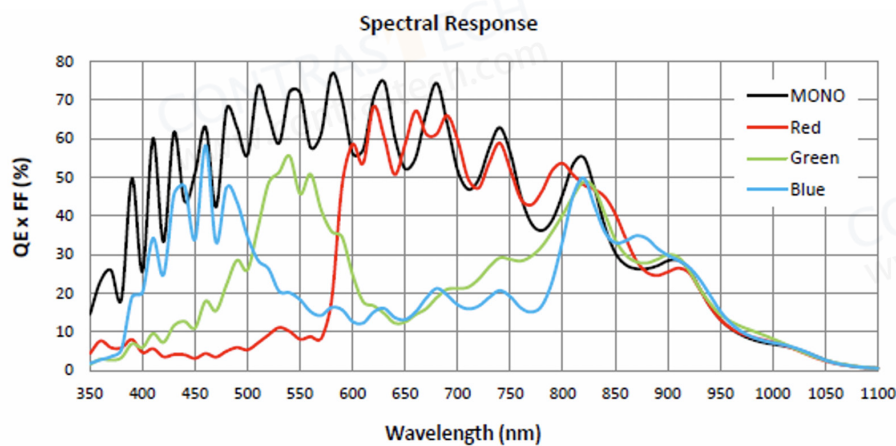
Interface	GigE
GPIO	12-pin Hirose connector for external power and trigger 2 differential/single-ended inputs 1 configurable differential I/O 1 high-speed opto-isolated single-ended input 1 configurable GPIO
Power Consumption	DC12–24V / 3.5 W

► STRUCTURE

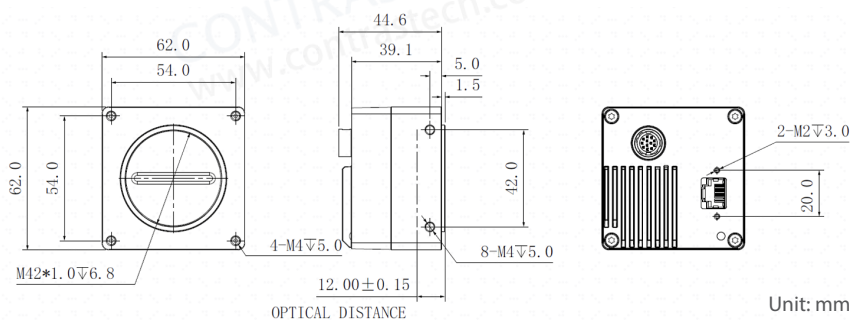
Lenses Mount	M42
Housing Size [L*W*H]	62.0 × 62.0 × 39.1 mm (193g)
Operating Temperature	-30~80 ° C (Storage), 0~50° C (Working)
Humidity	5% to 90% RH

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► SPECTRAL RESPONSE



► DIMENSIONS:



FOR MORE INFORMATION CONTACT



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