



LEO 25MG

- 25MP resolution ,Pixel Size 2.5 μm
- GMAX0505 Global shutter CMOS, high dynamic range, good signal-to-noise ratio, excellent image quality
- Supports automatic or manual adjustment of exposure time, white balance
- Supports manual adjustment of gain, Gamma correction, LUT, etc.
- Multiple interfaces available



Applied range • Defect Detection • Surface Patch Detection • Visual Positioning • Size Measuring • QR Code Reading • VR/AR • Logistics

Camera	LEO 25MG-14um/uc/uNIR	LEO 25MG-5gm/gc/gNIR	LEO 25MG-41Tgm-C
Resolution [H*V]	5120 × 5120		
Sensor	Gpixel GMAX0505		
Sensor Size	1.1"		
Sensor Tecchnology	CMOS, Global		
Pixel Size [μm]	2.5 × 2.5		
Frame Rate [fps]	14	4.5	41.5
Exposure Time	12μs~10s		13μs~10s
Dynamic Range	63dB		
Mono/Color	Mono/Color/NIR		Mono
Image Format	Mono/NIR:Mono8/10/10P/12/12P Color:Mono 8/10/12, Bayer BG 8/10/10P/12/12P, YUV422P,YUV422_YUYV_P,RGB 8,BGR 8	Mono/NIR:Mono8/10/10P/12/12P Color:Mono 8/10/12, Bayer RG 8/10/10P/12/12P, YUV422P,YUV422_YUYV_P,RGB 8,BGR 8	Mono8/10/10P/12/12P
Interface	USB 3.0	GigE	10 GigE
Synchronization	Via hardware trigger、software trigger or free run mode		
Housing Size	29 × 44 × 59 mm (100g)(A)	29 × 44 × 59 mm (100g)(B)	50 x 45 × 68.6 mm(212g)(C)
Operating Temperature	-30~70 ° C (Storage), 0~50° C (Working)		
Lenses Mount	C-Mount, BFL 17.526 mm		
Digital I/O	Opto-isolated input x 1, opto-isolated output x 1,and bi-directional custom non-isolated I/O x 1		
Power Input	DC 12-24V, Supporting USB	DC 9-24V, Supporting PoE	DC 9-24V
Power Consumption	5V @3.6W	Mono/NIR:12V @3.1W Color:12V @3.2W	12V @10.5W
Driver	iDatum or 3rd party USB3 Vision Software	iDatum or 3rd party GigE Vision Software	
Operating System	Windows,Linux		
Conformity	USB3 Vision, GenICam	GigE Vision, GenICam	GigE Vision, GenICam

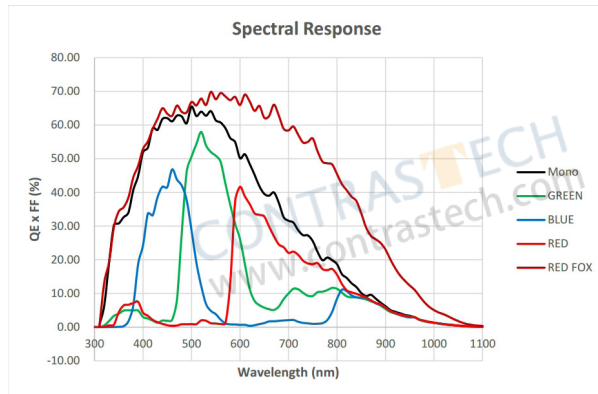


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Camera	LEO 25MG-40Tgm/Tgc/TgNIR	LEO 25MG-150xm/xc	LEO 25MG-41xm/xc-C	
Resolution [H*V]	5120 × 5120			
Sensor	Gpixel GMAX0505			
Sensor Size	1.1"			
Sensor Tecchnology	CMOS, Global			
Pixel Size [μm]	2.5 × 2.5			
Frame Rate [fps]	41.5	150	41.5	
Exposure Time	9μs~10s UltraShort exposure mode: 3μs~8μs	10μs~10s UltraShort exposure mode: 3μs~8μs	13μs~10s	10μs~10s UltraShort exposure mode: 3μs~8μs
Dynamic Range	63dB		65dB	
Mono/Color	Mono/Color/NIR	Mono/Color	Mono	Color
Image Format	Mono/NIR:Mono8/10/10P/12/12P Color:Mono 8/10/12,Bayer BG 8/10/10P/12/12P, YUV422P,YUV422_YUYV_P,RGB 8,BGR 8	Mono:Mono 8/10/12 Color:Bayer BG 8/10/12		
Interface	10 GigE	CoaXPress (Micro-BNC) CXP12	CoaXPress (Din) CXP6	
Synchronization	Via hardware trigger、software trigger or free run mode			
Housing Size	74 × 74 × 78.8 mm (C:590g)(D)(M58:550g)(E)	60 × 60 × 59 mm (C:280g)(F)(M58:285g)(G)	50 x 45 × 45 mm (207g)(H)	
Operating Temperature	-30~70 ° C (Storage), 0~50° C (Working)	-30~80 ° C (Storage), 0~50° C (Working)		
Lenses Mount	C-Mount, BFL 17.526 mm M58*0.75, BFL 11.48 mm		C-Mount, BFL 17.526 mm	
Digital I/O	Opto-isolated input x 1, opto-isolated output x 1, and bi-directional custom non-isolated I/O x 1, RS232 x 1			
Power Input	DC 9-24V	DC 12-24V	DC 9-24V	
		CXP-1/2 supports PoCXP	CXP-1 supports PoCXP	
Power Consumption	Mono/NIR:12V @9.7W Color:12V @10W	Mono:12V @9.9W Color:12V @12W	Mono:12V @7W Color:12V @6.5W	
Driver	iDatum or 3rd party GigE Vision Software	iDatum or Frame Grabber Software Compliant With CoaXPress Protocol		
Operating System	Windows, Linux	Windows		
Conformity	GigE Vision, GenICam	CoaXPress, GenICam		

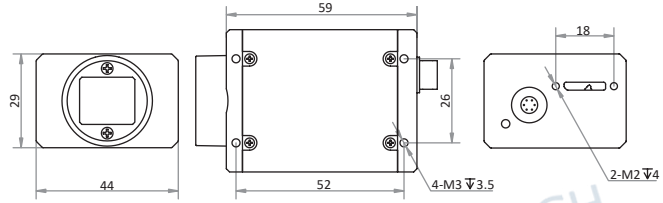


Spectral Response

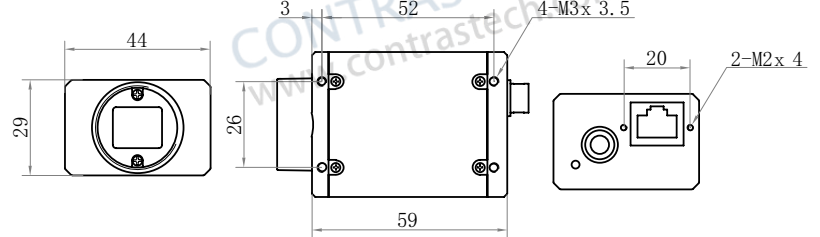


Dimensions

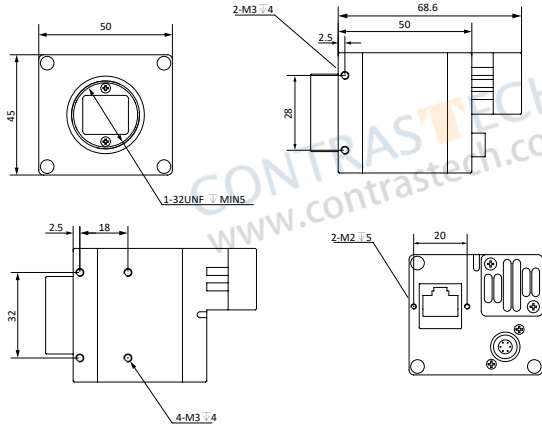
A



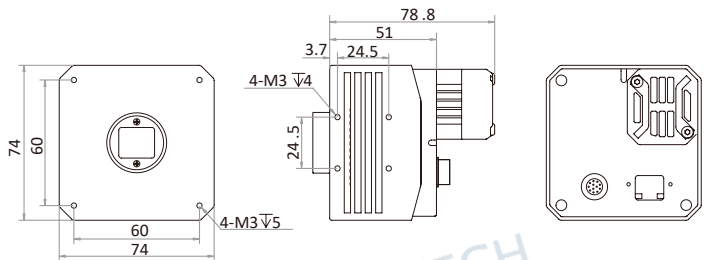
B



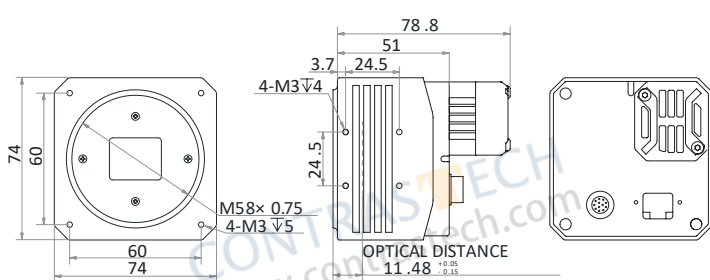
C



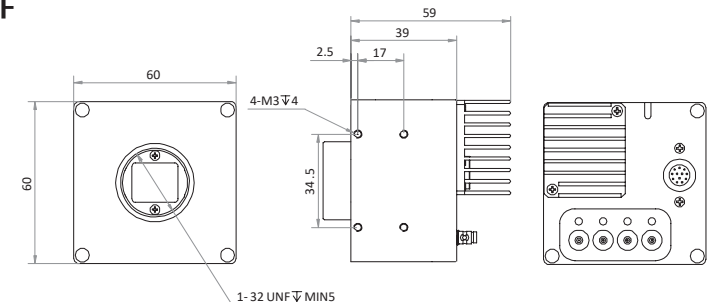
D



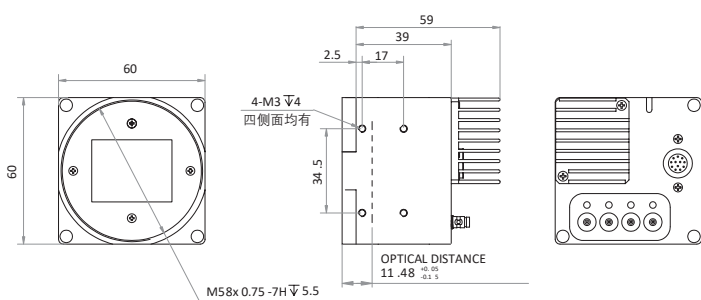
E



F



G



H

