CHARACTERISTIC

- 100 meters distance stable transmission, supports POE power supply
- Compatible with VISION standards, the free drive directly supports software such as Halcon and VisionPro
- Support external trigger and flash sync, up to 7 GPIO, all optoelectronic isolation
- The built-in image processing hardware acceleration, reduce the host CPU occupancy rate
- The special packet retransmission technology, to ensure reliable data transmission
- Excellent SDK ,like USB cameras, plug and play
- Support multi camera work at the same time, the network can be arbitrary

PARAMETERS

Specifications \ Model	MV-GE300GC-T	MV-GE300GM-T
Sensor	1/1.8" CMOS	
Shutter	Global Shutter	
Color/Mono	Color	Mono
Pixel Size	3.45*3.45μm	
Resolution	3MP(2048X1536)	
Frame Rate	2048X1536@38FPS	
Pixel Bit Depth	12bit	
Sensitivity	915mV 1/30s	
I / O Port	1 way optical isolation input, one way optical isolation output; Optional 3 input 4 output	
Synchronization	Continuous/Soft Trigger/External Trigger	
Maximum Gain	64	
Exposure Time(ms)	0.016~16777	
Filter	Standard 650nm Infrared Cut-off Filter	Standard double-sided AR-enhanced film
Frame Buffer	32M Bytes	
Camera Custom Data	2K Bytes	
Video Output Format	Bayer8/Bayer12	Mono8/Mono12
Visual Standard Protocol	GigE Vision V1.2、GenICam	
Lens Mount	The default C interface, optional C or CS interface, can provide M12 lens transfer interface accessories	
Data Interface	RJ45 Gigabit Ethernet interface, backward compatible with 100M network standard	
Power Requirements	9~12V/POE48~57V(POE is optional)	
Power Consumption	<3.1W	
Dimensions	29(mm)X29(mm)X40(mm)	
Weight	< 75g	
Working Temperature	0~50℃	
Working Humidity	20~80% (No Condensation)	
Storage Temperature	-30~60℃	
Storage Humidity	20~95% (No Condensation)	
Support System	WINXP, WIN7 / 8/10 32 & 64-bit systems, Linux and ARM Linux drivers and Android platform drivers (customizable)	
Drivers	DirectShow components Halcon special components Labview dedicated drive OCX components TWAIN components	
Programming Language	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python	
Programmable Control	Image size (ROI), camera, exposure time, GAMMA, contrast, brightness, custom LUT, mirror flip, RGB color gain, saturation, sharpness, color to mono, color temperature correction, anti-color, Color,trigger mode, frame rate control	

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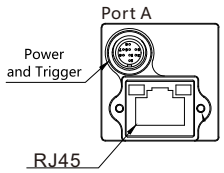
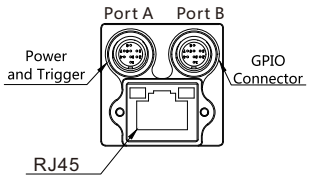
LINE SEQUENCE DEFINITION

Single connector



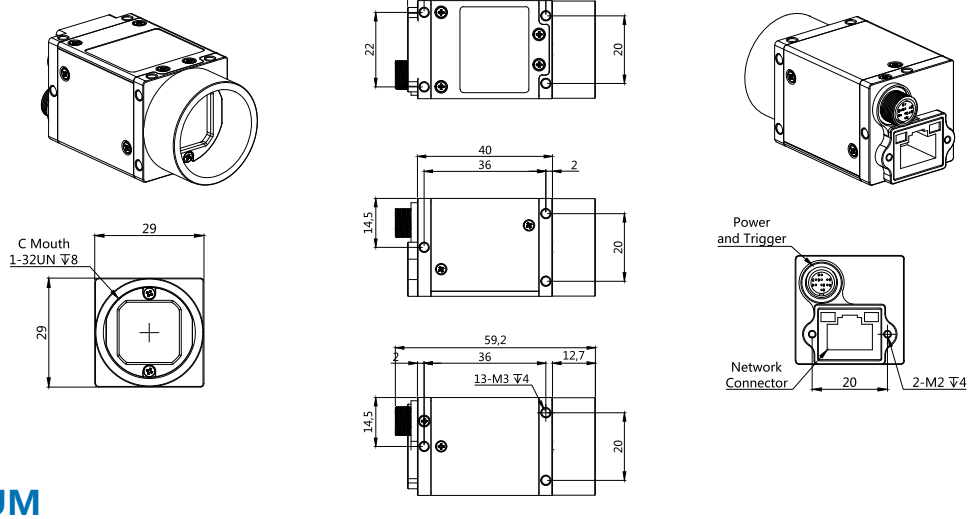
Double connector



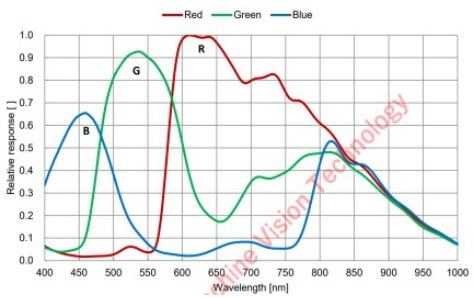
Port	Pin No	Line color	Signal name	Description	Remarks
Port A	1	white	GPI1+/TRIG_IN+	GPI1 positive/trigger input positive	Default is trigger input
	2	Green	GPO1+/STRB_OUT+	Positive GPO1/Flash Output Positive	The default is flash output
	3	Yellow	GPO1-/STRB_OUT-	GPO1 Negative/Flash Output Negative	The default is flash output
	4				
	5	Black	PWRGND	Camera power input negative	
	6	Brown High soft blue	GPI1-/TRIG_IN-	Camera power input negative	Default is trigger input
	7	Red	PWR12V	Positive camera power input	
	8				
Port B	1	white	GPO4+	GPO4 positive output	
	2	Green	GPO2+	GPO2 positive output	
	3	Yellow	GPO3+	GPO3 positive output	
	4				
	5	Black	GPIO_COM	GPIO common negative	
	6	Brown	GPI2+	GPI2 positive input	
	7	Red	GPI3+	GPI3 positive input	
	8				

MECHANICAL SPECIFICATION

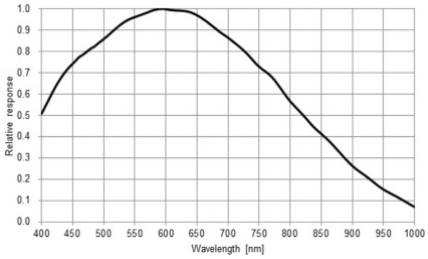
Unit: mm



SPECTRUM



MV-GE300GC-T-CL



MV-GE300GM-T-CL

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