MV-1000RC/M-GE

FEATURES

- 100 meter 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 multiple cameras work at the same time, the network can be arbitrary.

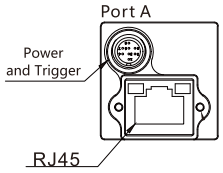
SPECIFICATIONS

Model / Specifications	MV-1000RC-GE	MV-1000RM-GE
Sensor	**1/2.3" CMOS, MT9J003**	
Shutter	Rolling Shutter (Support GRR mode)	
Color/Mono	Color	Mono
Pixel Size	1.67X1.67μm	
Resolution	**10**MP (3664X2748)	
Frame Rate	3664X2748@8FPS	
Pixel Bit Depth	12bit	
Sensitivity	0.31V/lux-s 550nm	
I / O Port	1 way optical isolation input, one way optical isolation output; Optional 3 input 4 output	
Synchronization	Continuous / software trigger / hardware trigger	
Maximum Gain	8	
Exposure Time(ms)	0.043~950	
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	C-mount is default, 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	9~24V(POE is optional)	
Power Consumption	<2.5W	
Dimensions	29(mm)X29(mm)X40(mm)(excluding lens base and rear housing ports)	
Weight	<75g	
Working Temperature	0 ~ 50℃	
Working Humidity	20-80% (Non-condensing)	
Storage Temperature	-30-60℃	
Storage Humidity	20-95% (Non-condensing)	
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	

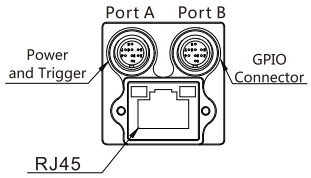
SHENZHEN HIFLY TECHNOLOGY CO., LTD
Address: 6A,168 Smart buildings,Heng Gang Tou industrial park of Xin'an community,Chang An Town,Dong Guan,China.
website: https://hifly.en.alibaba.com

I/O Connector

Single connector

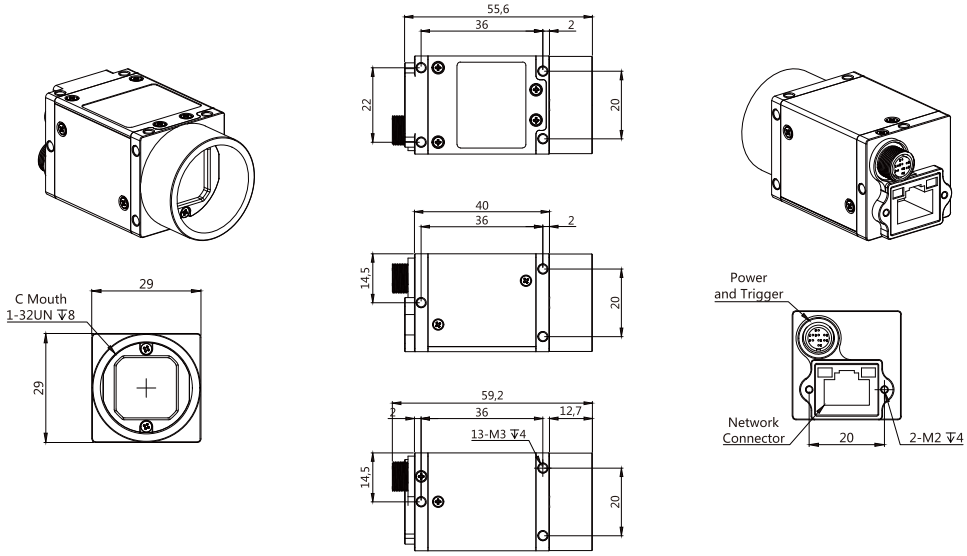


Double connector

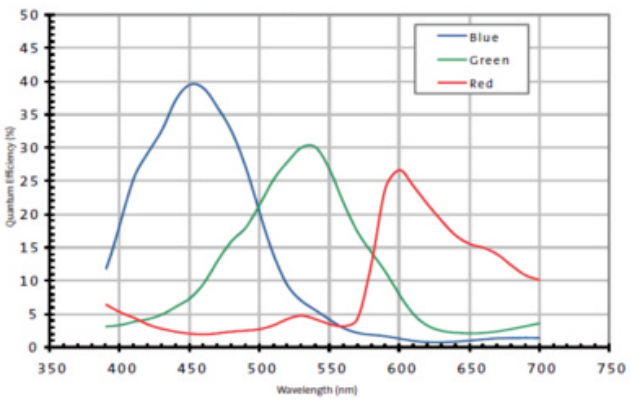


Port	Pin No	Line color	Signal name	Description	Remarks
Port A	1	white	GPI1+/TRIG_IN+	GPI1 positive/trigger input positive	Default is trigger input
	2	Green	GPO1+/STRB_OUT+	Positive GPO1/Flash Output Positive	The default is flash output
	3	Yellow	GPO1-/STRB_OUT-	GPO1 Negative/Flash Output Negative	The 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	

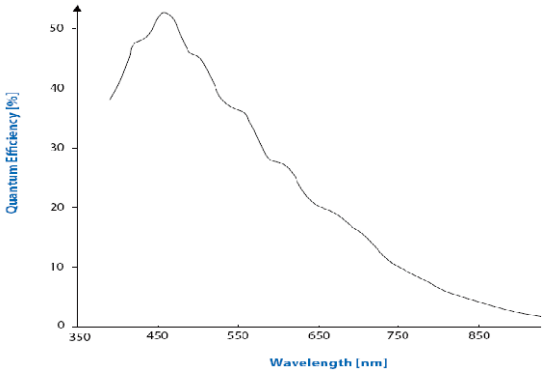
DIMENSIONS (Unit: mm)



SPECTROGRAMS



MV-1000RC-GE



MV-1000RM-GE

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