

CHARACTERISTIC

- 90 degree corner, special installation and wiring options in multiple directions, greatly saving installation space;
- 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

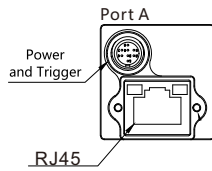


PARAMETERS

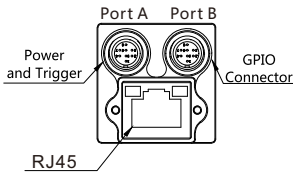
Specifications	Model	MV-GE134GC-T-CL-90	MV-GE134GM-T-CL90
Sensor		1/2" CMOS	
Shutter		Global Shutter	
Color/Mono		Color	Mono
Pixel Size		4.8X4.8μm	
Resolution		1.3MP (1280X1024)	
Frame Rate		1280X1024@91FPS	
Pixel Bit Depth		10bit	
Sensitivity		7.3 V/lux.s 550nm	
I / O Port		1 way optical isolation input, one way optical isolation output; Optional 3 input 4 output	
Synchronization		Continuous/soft trigger/continuous trigger	
Maximum Gain		16.5	
Exposure Time(ms)		0.008~1048	
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		<2.5W	
Dimensions		29(mm)X29(mm)X40(mm)	
Weight		< 75g	
Working Temperature		0~50°C	
Working Humidity		20~80% (No Condensation)	
Storage Temperature		-30~60°C	
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	

LINE SEQUENCE DEFINITION

Single connector



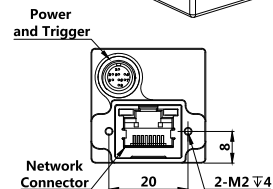
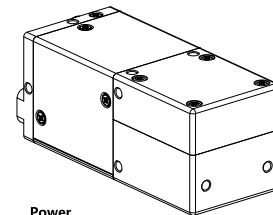
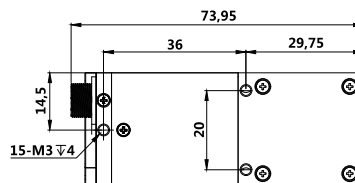
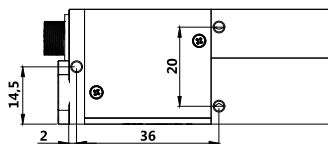
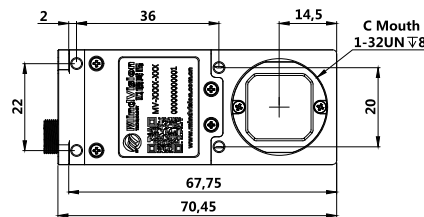
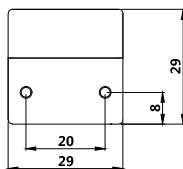
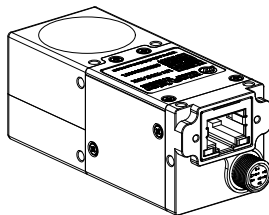
Double connector



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
Port B	7	Red	PWR12V	Positive camera power input	
	8				
	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				

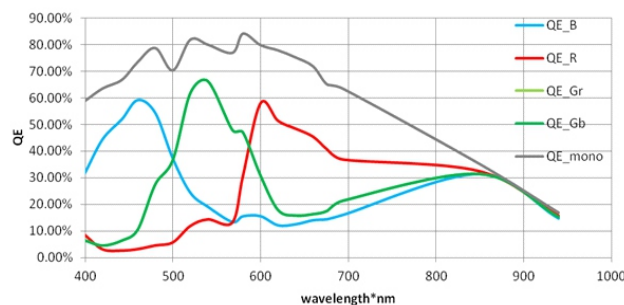
MECHANICAL SPECIFICATION

Unit: mm



SPECTRUM

Quantum Efficiency



MV-GE134GC/M-T-90