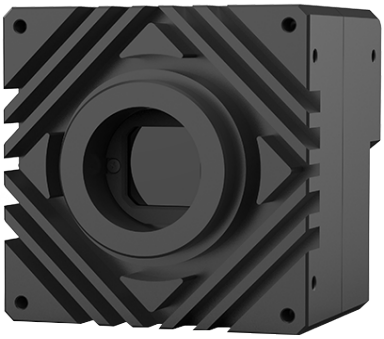
HIFLY TECHNOLOGY

FEATURES

- Using standard ten Gigabit network interface design, over six types of network cable can achieve stable communication.
- Compared with the CameraLink interface combined with the acquisition card, the cost is greatly reduced.
- The maximum transmission distance can reach 100 meters, compatible with gigabit network.
- The effective bandwidth is 1200MByte, which is 10 times that of Gigabit network.
- Support for GigEVision, GenICam standards and the same SDK as Gigabit cameras to shorten customers development cycle.

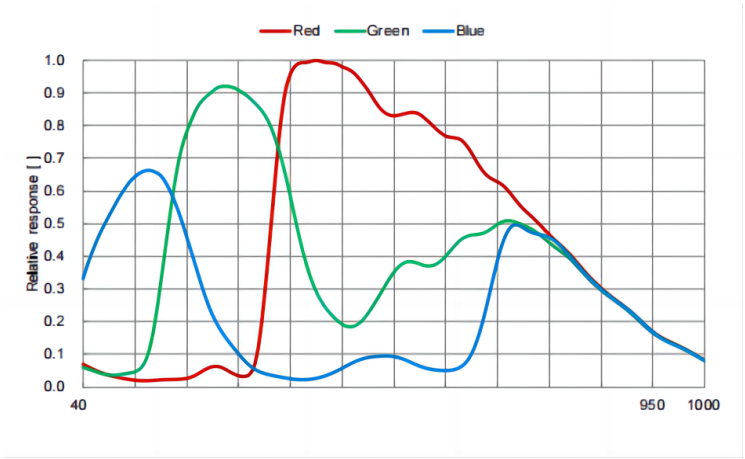


SPECIFICATIONS

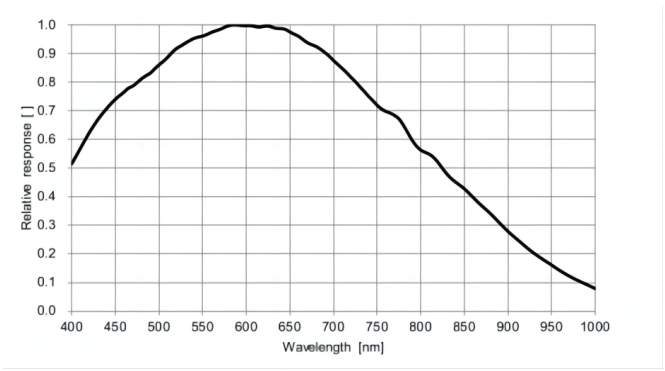
Parameter \ Model	MV-51C-10G	MV-51M-10G
Sensor	1/1.7" CMOS	
Shutter	Global	
Color/Mono	Color	Mono
Pixel Size	9.0um x 9.0um	
Resolution	0.51MP	
Frame rate	816X624@1594.75fps	
Pixel bit depth	12bit	
Sensitivity	4050mv 1/30s	
GPIO	2 input 2 output, 1 configurable input and output, support trigger and flash synchronization mode	
Maximum gain	125	
Exposure time(ms)	0.0008-838.86	
AD width	12bit	
Frame buffer	1GB	
Camera custom data	2KB	
Video output format	Bayer RG 8/12bit	Mono 8/12bit
Visual standard protocol	GigE Vision、GenICam	
Lens mount	C	
Data interface	10 Gigabit copper cable 10GBase-T, compatible with 100M/1G/2.5G/5G	
Power supply	24V	
Power	<12W	
Dimensions	64x64x52.7mm(excluding lens base and rear shell interface)	
Weight	<350g	
Working temperature	0~50°	
Storage temperature	-30~60°	
Operating system	WINXP, WIN7/8/10 32-bit & 64-bit systems, Linux and ARM Linux drivers, Android platform drivers, MAC OS systems	
Drivers	Directshow component Halcon Dedicated Component Labview Dedicated Driver OCX Component TWAIN component	
Programming language package	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java	

HIFLY TECHNOLOGY
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.
TEL: +86 769 82885850
Website: https://hifly.en.alibaba.com

SPECTROGRAMS

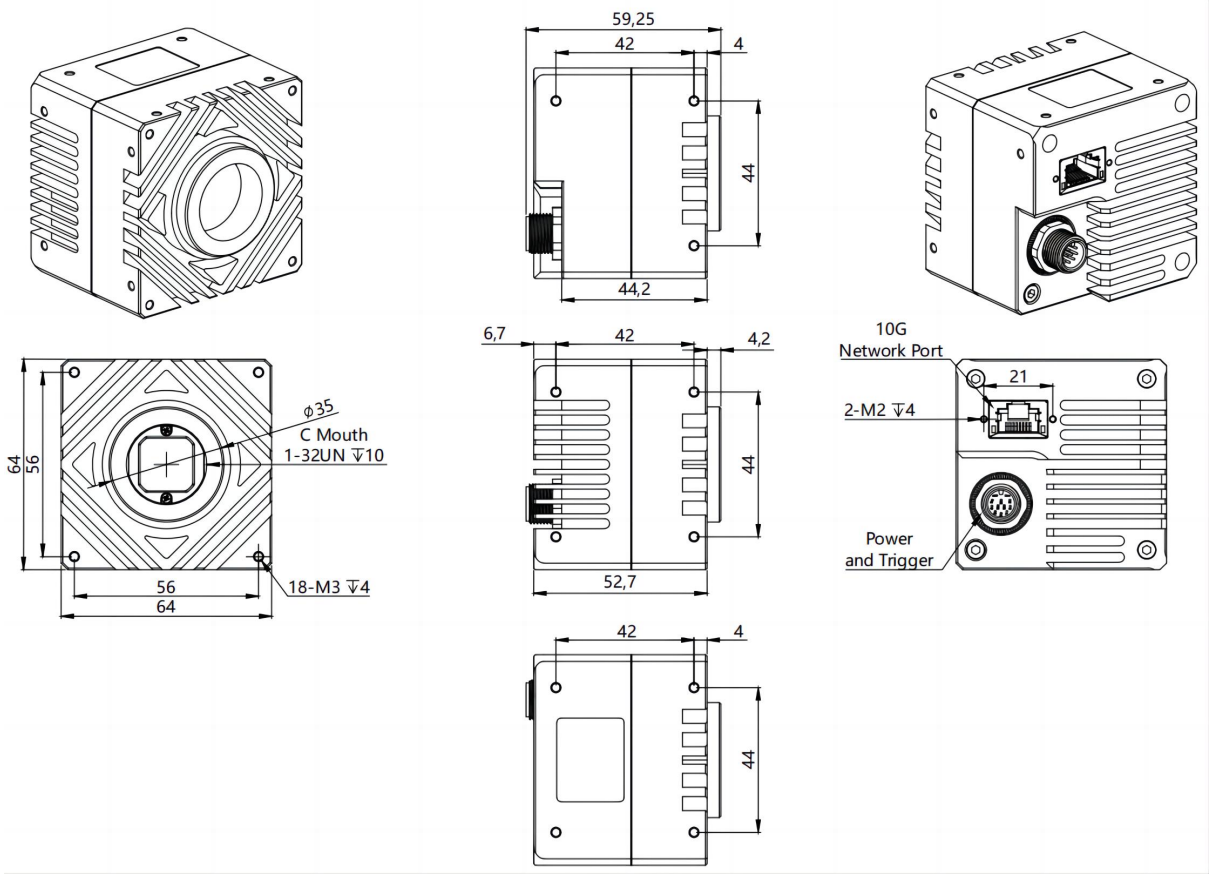


MV-51C-10G

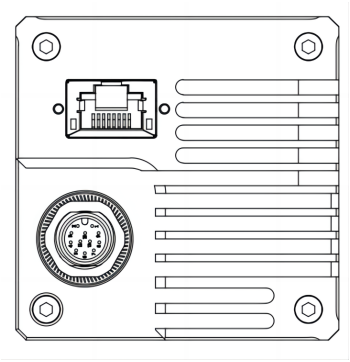


MV-51M-10G

DIMENSIONS(Unit: mm)



-T-CL、 -T-L Linesequencedefinition 1



Port	Pin	Line Color	Signal Name	Signal Description	Remark
PortA	1	black	PWR-	Camera power input negative end	
	2	red	PWR+	Camera power input positive end	
	3	grey	GPI1+/ TRIG_IN+	GPI1 or trigger the input optocoupler positive end	Default trigger
	4	pink	GPI1-/ TRIG_IN-	GPI1 or trigger the negative end of the input optocoupler	Default trigger
	5	brown	GPI2+	GPI2 Input the positive end of the optocoupler	
	6	white	GPI2-	GPI2 Input the negative end of the optocoupler	
	7	green	GPI3+/GPO3+	GPI3 input or GPO3 output positive end	Default output
	8	yellow	GPI3-/GPO3-	GPI3 input or GPO3 output negative end	Default output
	9	blue	GPO1+/STRB_OUT+	GPO1 or flash output optocoupler positive end	Default flash
	10	light green	GPO1-/STRB_OUT-	GPO1 or the negative end of the flash output optocoupler	Default flash
	11	purple	GPO2+	GPO2 outputs the positive end of the optocoupler	
	12	orange	GPO2-	GPO2 outputs the negative end of the optocoupler	