HIFLY TECHNOLOGY

FEATURES

• Embedded system integration is more convenient, higher integration.

• Support 8bit grayscale and 8bit color lossless format output.

• The camera comes with programmable I0, which supports external trigger flash synchronous photography.

• Support PCLinux system and ARMLinux system, can be integrated in embedded devices.

• Compatible with VISION protocol, seamlessly compatible with Halcon, VisionPro, Labview and other vision software.
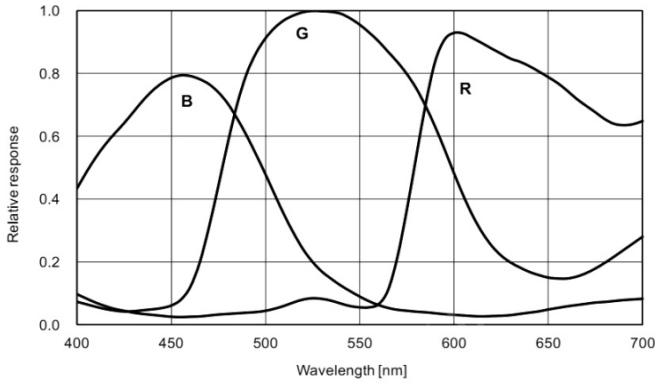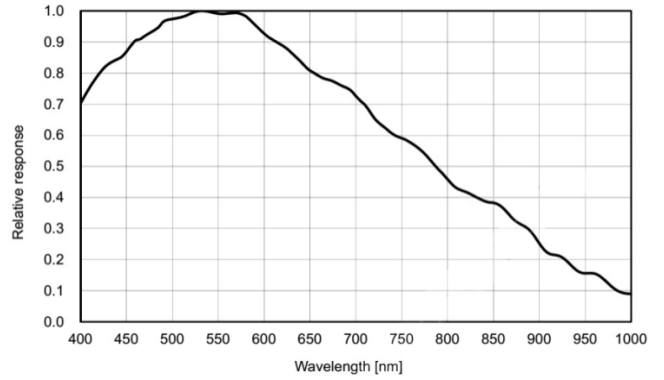
SPECIFICATIONS

Parameter \ Model	BL-2000RC-GE	BL-2000RM-GE
Sensor	1" CMOS	
Shutter	Rolling,Global start	
Color/Mono	Color	Mono
Pixel Size	2.4umx2.4um	
Resolution	20MP	
Frame rate	5488X3672@6FPS	
Output pixel width	12bit	
Sensitivity	462mV 1/30s	388mV 1/30s
GPIO	1 trigger input, 1 flash output	
Maximum gain	22	
Exposure time(ms)	0.044~11534.3	
AD width	12bit	
Frame buffer	128MB	
Camera custom data	2KB	
Video output format	Bayer GR 8/12bit	Mono 8/12bit
SNR	40dB	
Visual standard protocol	GigE Vision V1.2 GenICam	
Lens mount	C	
Data interface	GigE	
Power supply	12~24V	
Power	2.5W	
Dimensions	43x43x28.7mm (excluding lens base and rear shell interface)	
Weight	75g	
Temperature	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	
Programming language package	Support arbitrary size ROI custom resolution, contrast and gamma adjustment, saturation adjustment, white balance correction, black level correction, custom dead point coordinate correction, ISP image processing acceleration, 3D noise reduction, custom LUT table, frame rate adjustment, custom camera name, and more	

SPECTROGRAMS

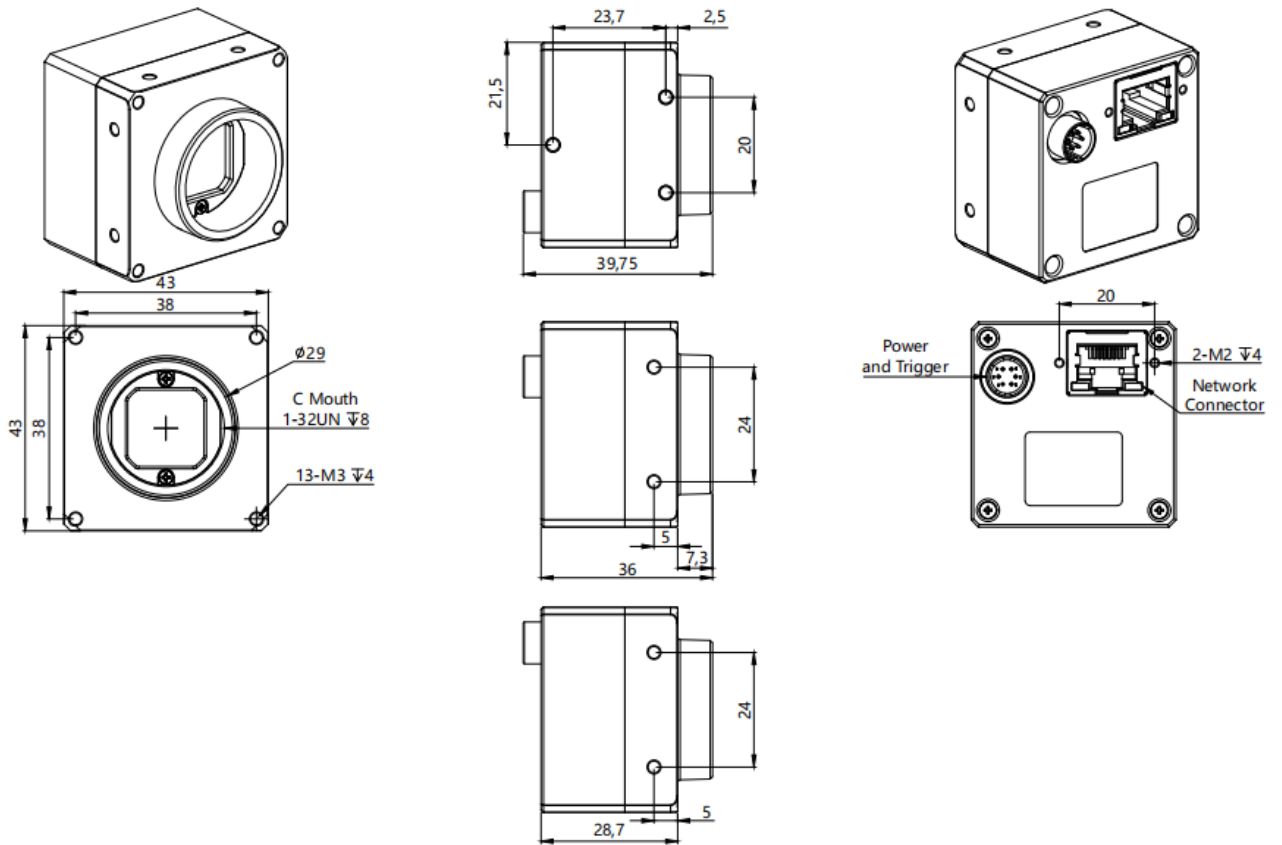(excludes lens characteristics and light source characteristics)
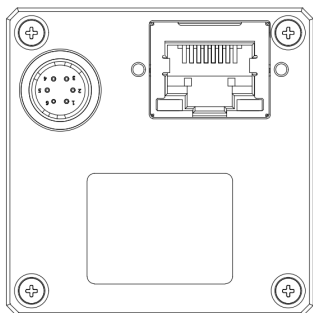

BL-2000RC-GE

BL-2000RM-GE

DIMENSIONS(Unit: mm)

C - Interface

List of pin functions

Port	Pin	Line Color	Signal Name	Signal Description	Remark
PortA	1	red	DC12V+	Camera power input positive end	
	2	white	GPI_1+/TRIG_IN+	GPI_1 Positive end/Trigger input positive end	Default to trigger input
	3	brown	GPO_2+	GPO_2 outputs the positive end	Empty foot
	4	green	GPO_1+/STRB_OUT+	GPO_1 Positive/Flash output positive end	Default to flash output
	5	yellow	GPO_1+/STRB_OUT-/TRIG_IN-	GPO1 Negative end/flash output negative end / Trigger input negative end	IO_COM public negative terminal
	6	black	GND	Camera power input negative end	