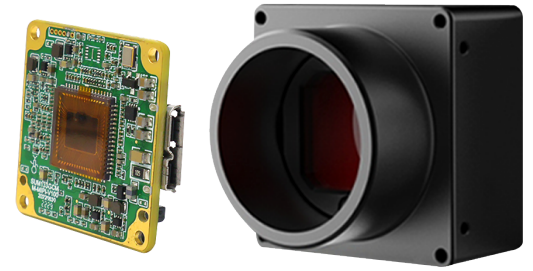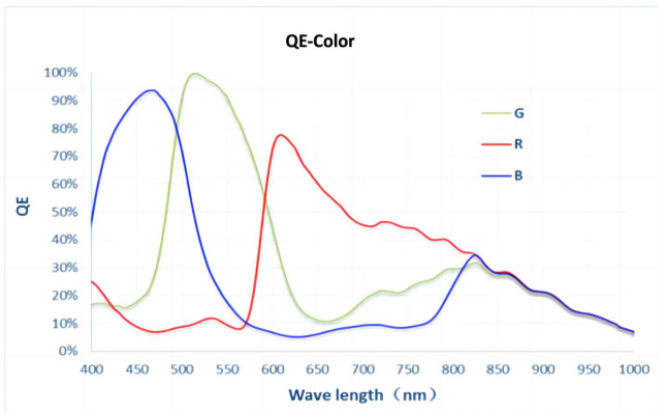**HIFLY TECHNOLOGY**

FEATURES

- Single board design, compact size, ultra-thin size.
- Embedded system integration is more convenient and more integrated.
- Supports 8bit raw data output.
- Multiple interface options: single board /C interface /M12 interface.
- The camera comes with programmable IO, which supports external trigger flash synchronous photography.
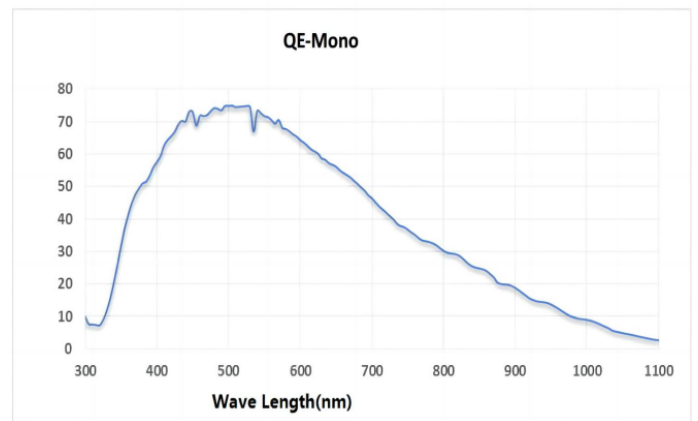- Supports PCLinux and ARMLinux systems.

SPECIFICATIONS

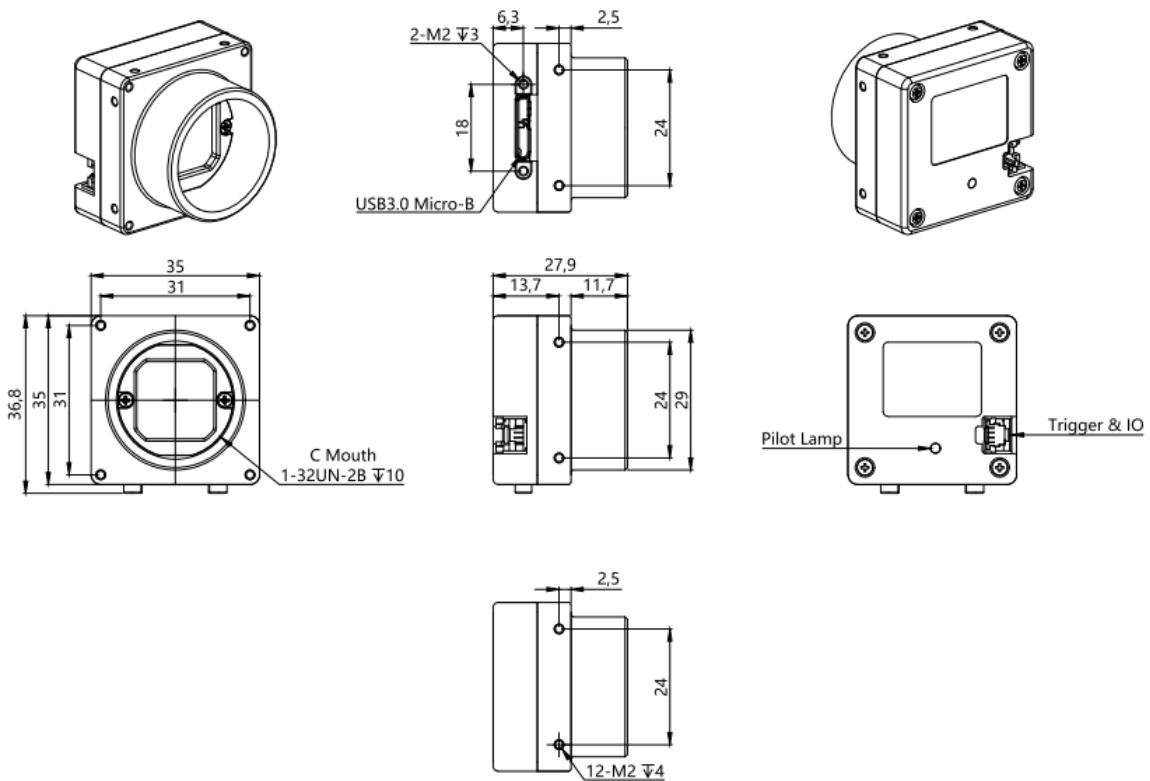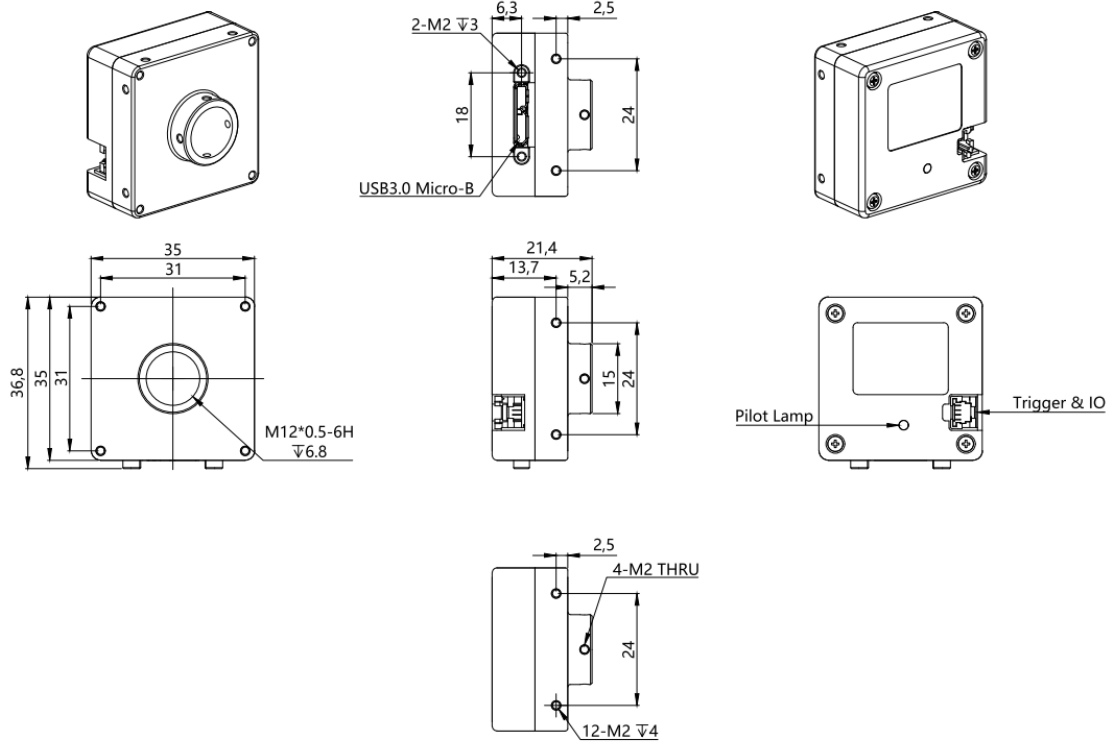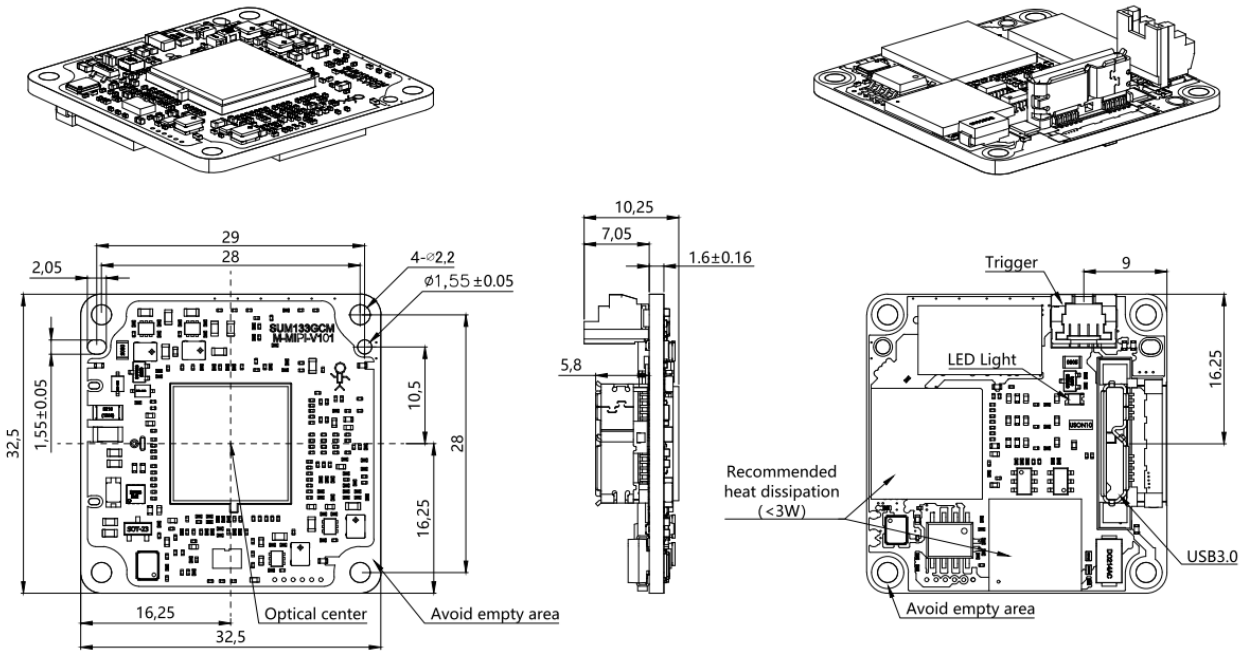| Parameter \ Model	BL-AU133GC	BL-AU133GM
Sensor	1/2.7"CMOS	
Shutter	Global	
Color/Mono	Color	Mono
Pixel Size	4umx4um BSI	
Resolution	1.3MP	
Frame rate	1280x1024@221.25FPS	
Output pixel width	8 bits	
Sensitivity	8V/Lux·s	
GPIO	2 bidirectional IO, each with input or output functions, can be configured as input/output/trigger/flash in the IO control	
Maximum gain	6	
Exposure time(ms)	0.0043~35.2	
AD width	10bit	
Frame buffer	128MB	
Camera custom data	2KB	
Video output format	Bayer BG 8bit	Mono 8bit
Trigger mode	Continuous/software triggered/hardware triggered	
SNR	40dB	
Lens mount	C/M12	
Data interface	USB3.0 Micro B	
Power supply	5V	
Power	<2W	
Dimensions	35x36.8x27.9mm (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

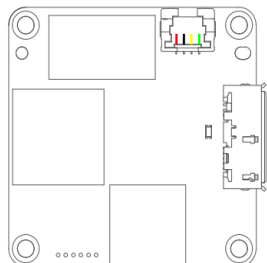BL-AU133GC

BL-AU133GM

DIMENSIONS(Unit: mm)

C - Interface

M - Interface

B - Interface

List of pin functions

Port	Pin	Line Color	Signal Name	Signal Description	Remark
PortA	1	red	NC		
	2	black	GND	IO_COM public end	
	3	yellow	GPIO1+	Bidirectional IO1	Default trigger
	4	green	GPIO2+	Bidirectional IO2	Default flash