

FEATURES

- Camera comes with programmable IO.
- Support external trigger flash synchronous photography.
- Supporting 8bit raw data output is fully compatible with the SDK of GIGE camera and seamlessly replaced.
- One computer multiple cameras work stably, long time not drop line, do not lose frames.
- Supports PCLinux system and ARM Linux system.
- Compatible with Vision protocol, seamlessly compatible with Halcon, VisionPro, Labview and other vision software.



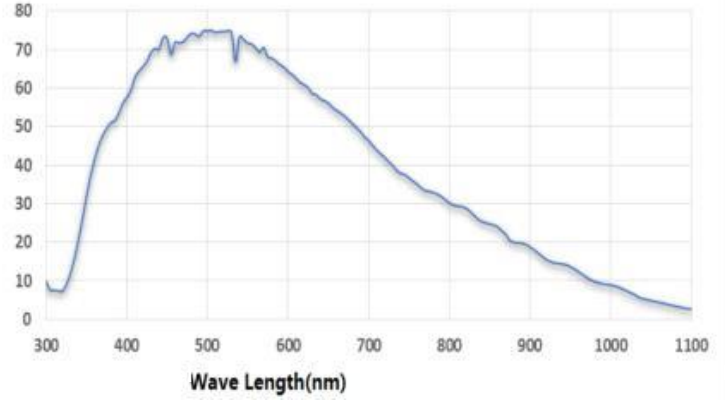
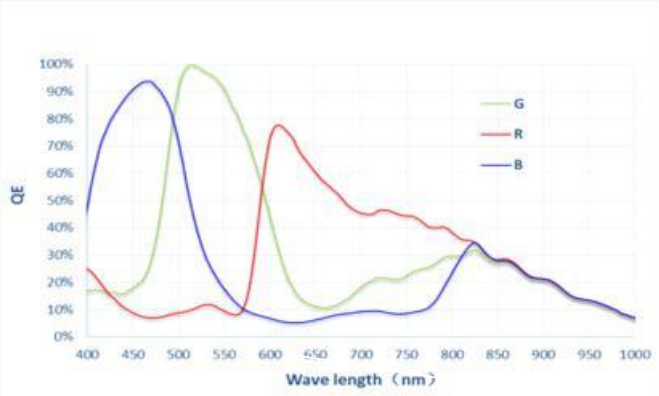
SPECIFICATIONS

Parameter	Model	MV-AU30GC	MV-AU30GM
Sensor		1/5.6"CMOS	
Shutter		Global	
Color/Mono		Color	Mono
Pixel Size		4.0X4.0μm	
Resolution		0.3MP	
Frame rate		640×480@791FPS	
Pixel bit depth		10bit	
Sensitivity		8V/Lux·s 540nm	
GPIO		1 optical coupling isolated input, 1 optical coupling isolated output, 1 non-isolated input and output	
SNR		40dB	
Maximum gain		8	
Exposure time(ms)		0.0025~20.4	
Dynamic range		60dB	
Frame buffer		128M Bytes	
Camera custom data		2K Bytes	
Video output format		Bayer 8bit	Mono 8bit
Visual standard protocol		USB3Vision 1.0、GenICam	
Lens mount		C/CS interface, provide adapter ring	
Data interface		USB3.0 TYPE B	
Power supply		5V,USB bus power supply	
Power		<3W	
Dimensions		29X29X32.7mm (excluding lens base and rear shell interface)	
Weight		<75g	
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	

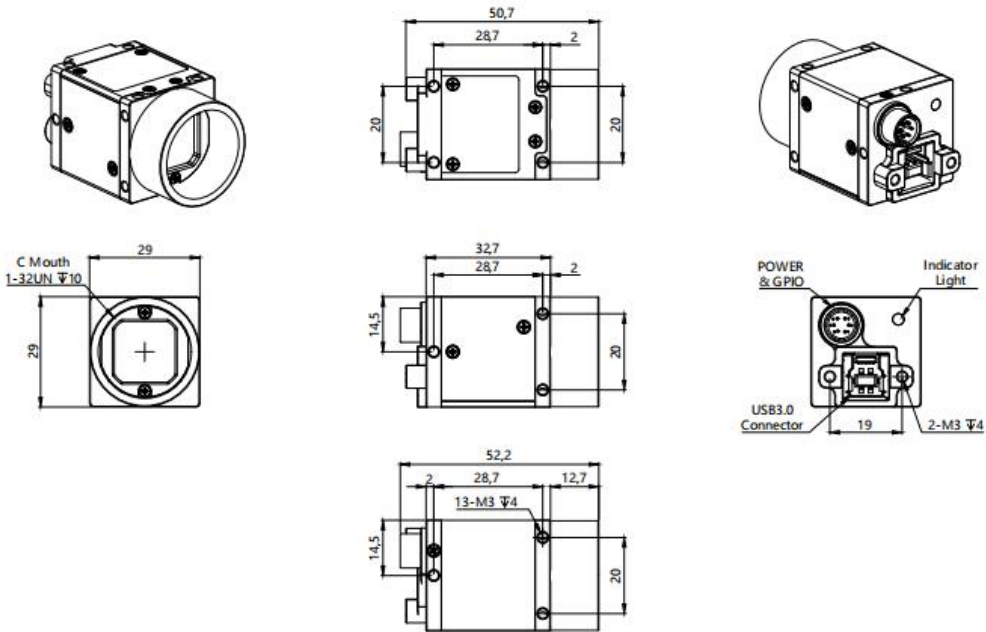
SPECTROGRAMS

MV-AU30GC

MV-AU30GM



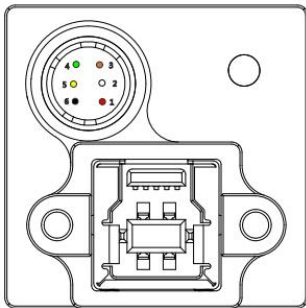
DIMENSIONS(Unit: mm)



SUA / SUF camera tail selection table

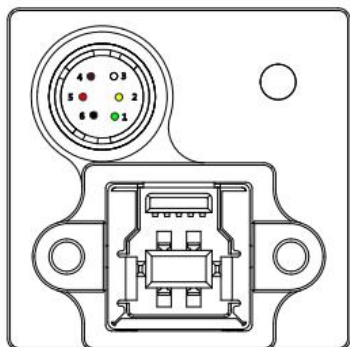
Function Suffix	Defindigram of aviation head line sequence	12VPoE	Srapnel aviation head interface	Lens interface C-mount	Lens interface CS-mount	State
-T1V-C	1	•	•	•		recommend
-T	2		•		•	Plan to stop production
-T-C	3		•	•		Plan to stop production
-TV-C	4	•	•	•		Plan to stop production

Line sequence definition1



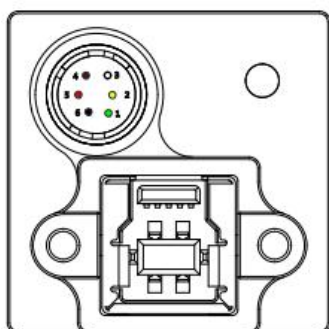
Port	Pin	Line Color	Signal Name	Signal Description	Remark
PortA	1	red	PWR12V	Camera power input positive end	
	2	white	GPI1+/TRIG_IN+	GPI1Positive end/Trigger input positive end	The default is trigger input
	3	brown	GPI2/GPO2	GPIO2Input/output	Non-isolated bidirectional IO
	4	green	GPO1+/STRB_OUT+	GPO1Positive end/Flash output positive end	The default output is flash
	5	yellow	GPO1-/STRB-OUT- /TRIG_IN-	GPO1Negative end/Flash outputnegative end/ Trigger inputnegative end	GPIO Common negative end
	6	black	PWRGND	Camera power input negative end	

Line sequence definition 2



Port	Pin	Line Color	Signal Name	Signal Description	Remark
PortA	1	green	GPO1+/STRB_OUT+	GPO1Positive end/Flash output positive end	The default output is flash
	2	yellow	GPO1-/STRB_OUT-	GPO1Negative end/Flash output negative end	The default output is flash
	3	white	GPI1+/TRIG_IN+	GPI1Positive end/Trigger Input positive end	The default is trigger input
	4	brown	GPI1-/TRIG_IN-	GPI1Negative end/Trigger input negative end	The default is trigger input
	5	red	GPO2+	GPO2Positive end output	
	6	black	GPO2-	GPO2Negative end output	

Line sequence definition 3



Port	Pin	Line Color	Signal Name	Signal Description	Remark
PortA	1	green	GPO1+/STRB_OUT+	GPO1Positive end/Flash output positive end	The default output is flash
	2	yellow	GPO1-/STRB_OUT-	GPO1Negative end/Flash output negative end	The default output is flash
	3	white	GPI1+/TRIG_IN+	GPI1Positive end/Trigger Input positive end	The default is trigger input
	4	brown	GPI1-/TRIG_IN-	GPI1Negative end/Trigger input negative end	The default is trigger input
	5	red	PWR12V	Camera power input positive end	
	6	black	PWRGND	Camera power input negative end	