Product number

MV-UBS130RC-T

USB2.0 has a simple structure and has a variety of single-board modules. It is small in size, which can effectively save product size. It is suitable for small instruments and small equipment; it does not require external power supply, is easy to use, and has the highest cost performance.

Application industry:

It is suitable for factory automation, university experiments, logistics scanning, packaging and printing, and textiles.

Feature of product:

- USB2.0 interface, no need for external power supply, both plug and use
- 0.3 million to 10 million pixel CMOS, CCD
- Support 16bit grayscale and 48bit color lossless format output
- Support Windows, Linux and ARM Linux, Android system
- Support external trigger, flash synchronization
- With hardware frame buffer, support more than 32 cameras to work at the same time
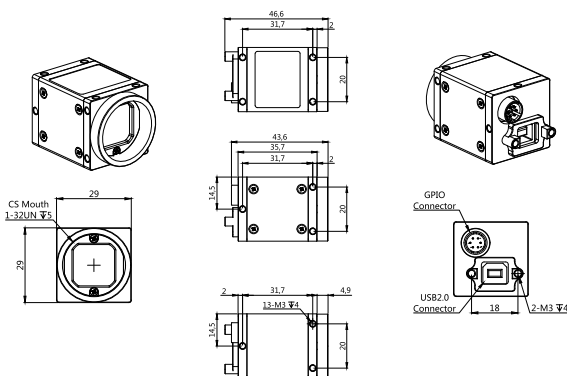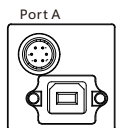- Custom data can be written in the camera

Spectrum:
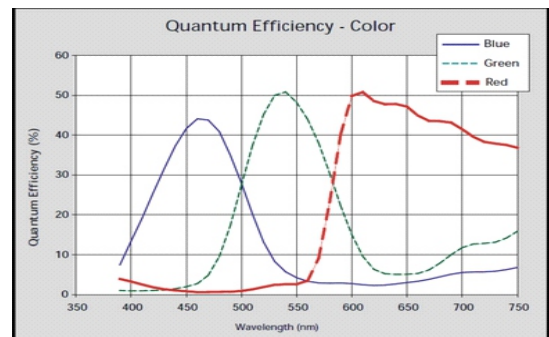
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Mechanical Specifications:
unit:mm

Line order definition:

Port A

pin number	line color	signal name	Signal description	Remark
1	Green	GPO1+/STRB_OUT+	GPO1 positive terminal/ flash output positive terminal	Default is flash output
2	Yellow	GPO1-/STRB_OUT -	GPO1 negative terminal/ flash output negative terminal	Default is flash output
3	White	GPI1+/TRIG_IN+	GPI1 positive terminal/trigger input positive terminal	Default is trigger input
4	brown	GPI1 -/TRIG_IN -	GPI1 negative terminal/trigger input negative terminal	Default is trigger input
5	red	GPO2+	GPO2 positive output	
6	black	GPO2	GPO2 negative output	

Parameter:

Parameter \ Model	MV-UBS130RC-T
sensor	1/3" CMOS
shutter type	Rolling shutter
camera type	Color
Pixel size	3.75X3.75μm
Effective Pixels	1.22MP
Resolution@ Frame Rate	1280X960@38FPS
pixel depth	12bit
Sensitivity	5.5V/lux-s 550nm
GPIO	1 channel opto-isolated input, 1 channel opto-isolated output
Acquisition mode	Continuous/soft trigger/hard trigger
Maximum gain (multiple)	8
Exposure time range（ms）	0.0325~62
Filter	Standard 650nm IR cut filter
Frame buffer	32M Bytes
User-defined data area	2K Bytes
Video output format	Bayer8/Bayer12
Lens Mount	Body CS mount, factory pre-installed detachable 5MM C/CS adapter ring, compatible with C mount lens
Data interface	USB2.0 TYPE B
Power supply	5V, USB bus powered
Power	<2W
Dimensions	29(mm)X29(mm)X35.7(mm) (excluding lens mount and rear case interface)
weight	<75g
Operating temperature	0~50℃
Operating humidity	20~80%（No condensation）
storage temp	-30~60℃
Storage humidity	20~95%（No condensation）
Operating system	WIINXP,WIN7/8/10 32@64-bit system、Linux and ARM Linux driver (customizable), Android platform driver (customizable)Linux and ARM Linux driver (customizable), Android platform driver (customizable)
Driver	Directshow component Halcon special component Labview special driver OCX component TWAIN component
Programming language pack	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java
Other functions	Support any 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, etc.