

Independent
Development

MV-UB1000C

MV-UB1000C has high resolution, low noise, excellent performance, easy installation and usage and other features. It is suitable for industrial inspection, medical treatment, scientific research, education and other fields.



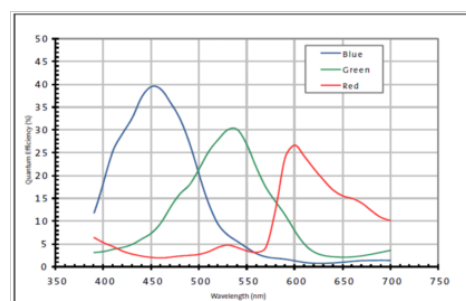
Application Industry :

It is suitable for industrial inspection, medical treatment, scientific research, education and other fields.

Product Features :

- USB2.0 interface, no need for external power supply, plug and play.
- Support 8bit to 12bit raw data output.
- Support external trigger, strobe synchronization.
- Support Windows, Linux and ARM Linux, Android system.
- Inserted with hardware frame buffer, support more than 32 cameras working at the same time.
- Custom data can be written in the camera.

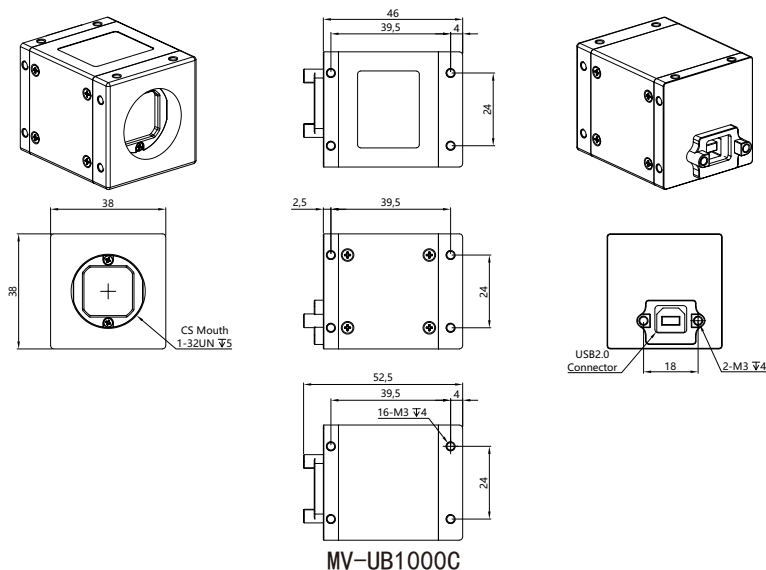
Spectral Response Curve :



MV-UB1000C

Mechanical Specifications :

unit:mm



MV-UB1000C

TECHNICAL PARAMETER

Specifications	Model	MV-UB1000C
Sensor		1/2.3" CMOS
Sensor type		MT9J003
Camera type		Color
Pixel size		1.67x1.67um
Effective pixels		10MP
Resolution @ frame rate		3664x2748MAX@5fps
Exposure mode		Line exposure, global start
Signal to noise ratio		34dB
Dynamic range		65.2dB
Sensitivity		0.31V/lux-s 550nm
GPIO		1 optical isolation input, 2 optical isolation output
Output pixel width		12bit
AD width		12bit
Frame buffer		32MB
Exposure time range		0.064~1407ms
Maximum gain (multiple)		15.88
User EEPROM		2KB
Video output format		Bayer8/12 bit(Bayer12bit is supported only by UBS and UBD)
Lens interface		C/CS port, adapter rings are provided
Data interface		USB2.0
Power supply		5V
Power		<2W
Boundary dimension		38X38X46(mm) (Lens base and rear shell interface are not included)
Weight		<120g
Working temperature		0~50℃
Working humidity		20~80%(No Condensation)
Storage temperature		-30~60℃
Storage humidity		20~95%(No Condensation)
Operating system		WINXP,WIN7 /8 /10 32 & 64 -bit systems, Linux and ARM Linux drivers (customizable), Android platform drivers (customizable)
Drive program		Directshow components Halcon special components Labview dedicated drive OCX components TWAIN components
Programming language		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.

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