

MV-CE060-10UM/UC

6MP1/1.8"CMOSUSB3.0AreaScanCamera



GEN*i*CAM

US3TM
VISION

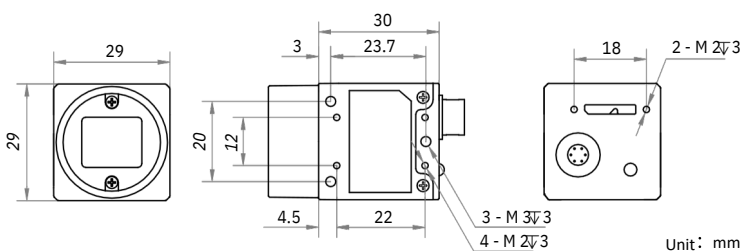
Introduction

MV-CE060-10UM/UC camera adopts Sony® IMX178 sensor to provide high-quality image. It uses USB3.0 interface to transmit non-compressed images in real time, and its max. frame rate can reach 42.7 fps in full resolution.

Key Feature

- Supports auto and manual adjustment for gain, exposure control, LUT, Gamma correction, etc.
- Supports hardware triggering, software triggering and free run mode.
- Adopts M2 screw holes for securing cable that connects USB3.0 interface.
- Compatible with USB3 Vision Protocol, GenICam Standard, and the third-party software based on these protocol and standard.

Dimension



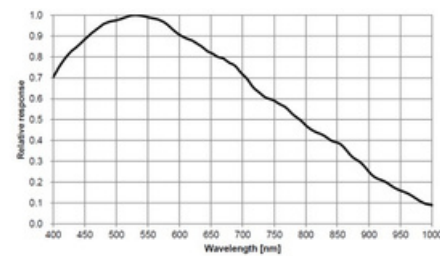
Available Model

- Mono camera: MV-CE060-10UM
- Color camera: MV-CE060-10UC

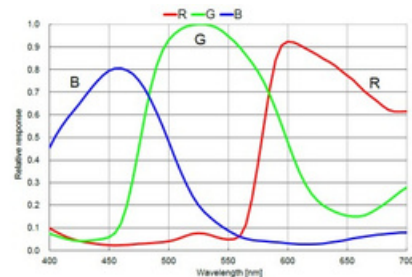
Applicable Industry

Electronic semiconductor, factory automation, logistics, liquor and beverage, medicine packing, etc.

Sensor Quantum Efficiency



MV-CE060-10UM



MV-CE060-10UC



Specification

HIKROBOT

Model	Camera	MV-CE060-10UM	MV-CE060-10UC
Sensor	type		
Sensor	model	CMOS, rolling shutter	
Pixel	size	Sony® IMX178	
Sensor	size	2.4 μm × 2.4 μm	
Resolution	Max.	1/1.8"	
frame	rate	3072 × 2048	
Dynamic	range	42.7 fps @ 3072 × 2048	
SNR	Gain	71.3 dB	
Exposure	time	41.3 dB	
Exposure mode		0 dB to 20 dB	
		16 μs to 1 sec	24 μs to 1 sec
		Off/Once/Continuous exposure mode, supports Global Reset, Trigger Rolling, and Rolling	
Mono/color		Mono	Color
Pixel format		Mono 8/10/10p/12/12p	Mono 8/10/12, Bayer RG 8/10/10p/12/12p, YUV422_YUYV_Packed, YUV 422 Packed, RGB8, BGR8
Binning		Supports 1 × 1, 2 × 2	
Decimation		Not support	
Reverse image		Supports horizontal reverse image output	
Image buffer		128 MB	
Electrical feature			
Data interface		USB3.0, compatible with USB2.0	
Digital I/O		6-pin Hirose connector provides power and I/O, including opto-isolated input × 1 (Line 0), opto-isolated output × 1 (Line 1), bi-directional non-isolated I/O × 1 (Line 2)	
Power supply		12 VDC, supports USB3.0 power supply	
Power consumption		Typ. 2.7 W @ 5 VDC (USB3.0 provides power supply)	
Mechanical			
Lens mount		C-mount	
Dimension		29 mm × 29 mm × 30 mm (1.1" × 1.1" × 1.2")	
Weight		Approx. 56 g (0.12 lb.)	
Ingress protection		IP30 (under proper lens installation and wiring)	
Temperature		Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: −30 °C to 70 °C (−22 °F to 158 °F)	
Humidity		20% RH to 80% RH (no condensation)	
General			
Client software		MVS or third-party software meeting with USB3.0 Vision Protocol	
Operating system		32/64-bit Windows 7/10, 64-bit Windows 11, 32/64-bit Linux	
Compatibility		USB3 Vision, GenICam	
Certification		CE, RoHS, KC	