MV-CE200-11UM/UC

20 MP 1" CMOS USB3.0 Area Scan Camera



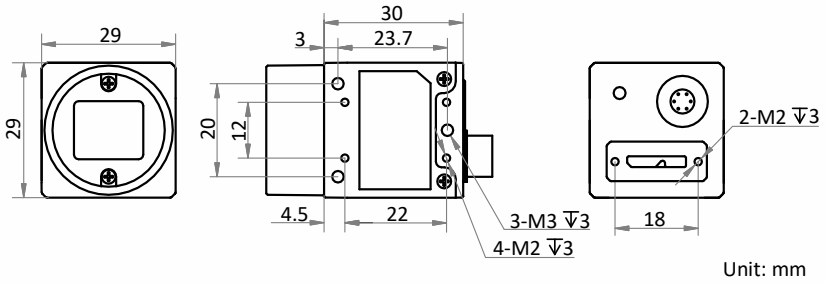
Introduction

MV-CE200-11UM/UC camera adopts Sony® IMX183 sensor to provide high-quality images. It uses USB3.0 interface to transmit images in real time, and its max. frame rate can reach 19.2 fps in full resolution.

Key Feature

- Supports auto or manual adjustment of gain, exposure time, and manual adjustment of Gamma correction, LUT.
- Supports hardware trigger, software trigger, and free run.
- Supports customized ROI to increase frame rate.
- Adopts compact design for small spatial installation.
- Compatible with USB3 Vision Protocol, GenICam Standard, and the third-party software based on the protocol and standard.

Dimension



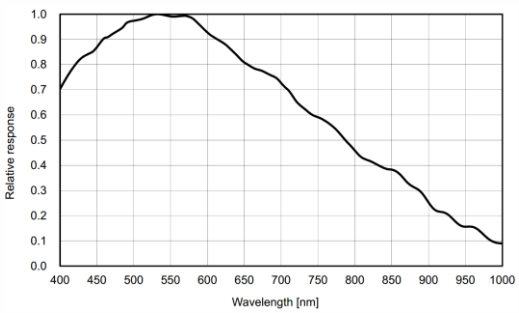
Available Model

- Mono camera: MV-CE200-11UM
- Color camera: MV-CE200-11UC

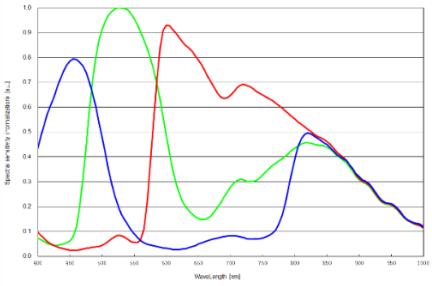
Applicable Industry

Electronics and semiconductor, factory automation, medicine package, etc.

Sensor Quantum Efficiency



MV-CE200-11UM



MV-CE200-11UC

Specification

Model	MV-CE200-11UM	MV-CE200-11UC
Camera		
Sensor type	CMOS, rolling shutter	
Sensor model	Sony® IMX183	
Pixel size	2.4 μm × 2.4 μm	
Sensor size	1"	
Resolution	5472 × 3648	
Max. frame rate	19.2 fps @5472 × 3648	
Dynamic range	65.5 dB	
SNR	41.5 dB	
Gain	0 dB to 20 dB	
Exposure time	28 μs to 0.7 sec	28 μs to 0.62 sec
Exposure mode	Off/Once/Continuous exposure mode, supports Global Reset	
Mono/color	Mono	Color
Pixel format	Mono 8/10/10Packed/12/12Packed	Bayer GB 8/10/10Packed/12/12Packed
Binning	Supports 1 × 1, 2 × 2, 4 × 4	Not support
Decimation	Supports 1 × 1, 2 × 2, 4 × 4	Not support
Reverse image	Supports horizontal reverse image output	
Electrical features		
Data interface	USB3.0, compatible with USB2.0	
Digital I/O	6-pin P7 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	9 VDC to 24 VDC, supports USB3.0 power supply	
Power consumption	Typ. 2.83 W@5 VDC (USB3.0 provides power supply)	Typ. 2.67 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. 80 g (0.2 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% to 80% RH, non-condensing	
General		
Client software	MVS or third-party software meeting with USB3 Vision Protocol	
Operating system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS	
Compatibility	USB3 Vision, GenICam	
Certification	CE, FCC, RoHS, KC	

HIKROBOT

Hangzhou Hikrobot Co., Ltd.
en.hikrobotics.com

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