

## MV-CE050-30UC 5MP, 1/2.5" CMOS, USB 3.0 Camera

USB<sup>TM</sup>  
VISION



The Hikvision MV-CE050-30UC 5 MP 1/2.5" CMOS USB 3.0 Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor fabrication, factory automation, bottle inspection and medical packaging.

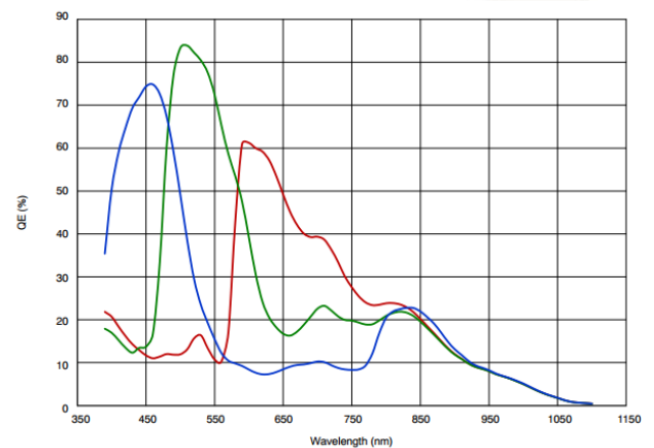
### Key Features

- Supports auto exposure control, user defined LUT and gamma correction.
- Cameras can be synchronized with hard trigger and soft trigger. Different exposure modes supported.
- Embedded excellent interpolation algorithm for a better color reduction.
- Compact structure with the size of 29mm×29mm×30mm, suitable for tight mounting requirement.
- The USB3.0 interface is tightly locked to prevent accidental unplugging and dropping.
- Compatible with USB 3.0 Vision V1.0.

### Application Scenarios

- Electronic semiconductor
- Factory automation
- Bottle inspection
- Medical packaging

### Spectral Response



MV-CE050-30UC Quantum Efficiency

### Order Model

Color: MV-CE050-30UC



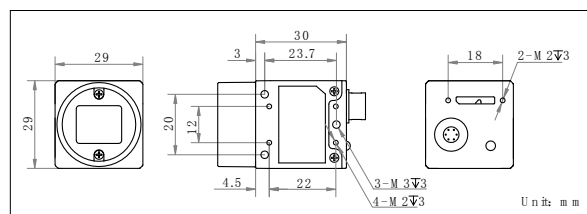
## Specifications

Model	MV-CE050-30UC
Parameters	5MP, 1/2.5" CMOS, USB 3.0 Camera
<b>Camera</b>	
Sensor	AR0521
Pixel Size	2.2μm×2.2μm
Sensor Size	1/2.5"
Resolution	2592x1944
Frame Rate	31fps
Dynamic Range	>60dB
SNR	>40dB
Gain Range	0-15dB
Exposure Time	Bayer format: 16μs-1sec, Other format: 28μs-1sec
Shutter Mode	Rolling shutter. Support Auto-exposure, Manual exposure, and One-key exposure.
Data Interface	USB 3.0
General Purpose I/O	Opto-isolated input x1, Opto-isolated output x1, Bi-directional non-isolated I/O x1
Data Format	Mono 8/10/12, Bayer GR 8/10/10p/12/12p, YUV422_YUYV_Packed, YUV422_Packed, RGB8
<b>General</b>	
Power	<2.5W@12VDC, Voltage 5~15VDC, USB 3.0 power supply supported
Temperature	Working Temperature 0~50°C, Storage Temperature -30~70°C
Humidity	20%-80% RH without condensation
Dimension	29mm×29mm×30mm
Weight	<56g
Lens Interface	C-Mount
Software	MVS or Third-Party Software supporting USB 3.0 Vision Protocol
Operating System	Windows XP/7/10 32/64bits
Compliance	USB 3.0 Vision
Certification	CE, FCC, RoHS

### Recommended Accessories

- **Power:** 12VDC @1A power adapter
- **Cable:** Micro USB 3.0 cable (B Type) recommended

### Dimensions



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