MV-CA013-21UM/UC
1.3 MP, 1/2" CMOS USB 3.0 Camera
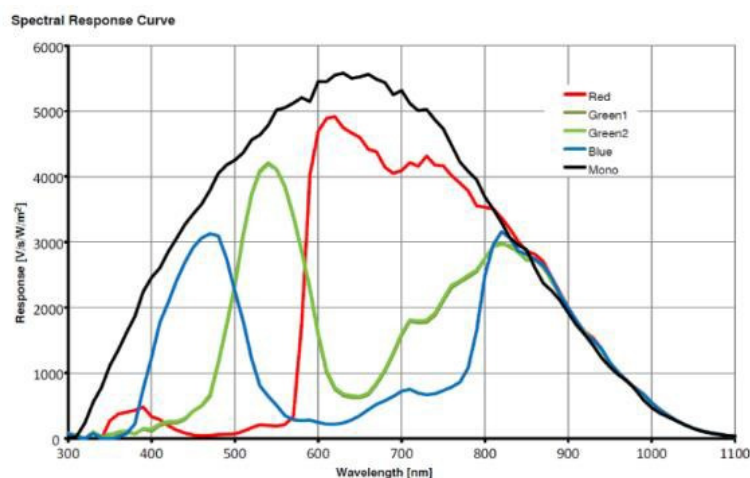
- **USB 3.0 (3 Gbps Bandwidth)**

- **Auto Exposure Control, LUT, Gamma Correction**

- **Synchronize Cameras with Hard/Soft Trigger**

- **Multiple Exposure Modes**

- **USB 3.0 Vision (v1.0) Compliant**

The Hikvision MV-CA013-21UM/UC 1.3 MP 1/2" 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, food and beverage inspection, and medicine package inspection.

Available Models: Mono: MV-CA013-21UM
                          Color: MV-CA013-21UC
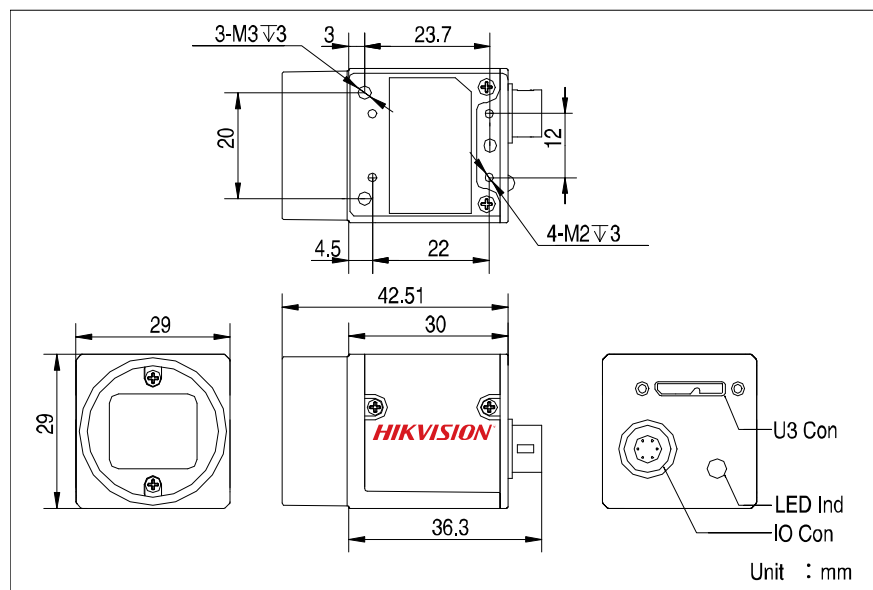
MV-CA013-21UM/UC Quantum Efficiency

MV-CA013-21UM/UC Quantum Efficiency

	MV-CA013-21UM	MV-CA013-21UC
Camera		
Type	1.3 MP; 1/2" CMOS USB 3.0 camera	
Sensor	OnSemi Python1300, 1/2" CMOS	
Shutter	Global shutter	
Resolution	1280 × 1024	
Pixel Size	4.8 µm × 4.8 µm	
Frame Rate	170 fps @1280 × 1024, Mono 8	170 fps @ 1280 x 1024, Mono 8 90 fps @ 1280 × 1024, YUV 90 fps @ 1280 × 1024, Bayer 8
Dynamic Range	>60 dB	
SNR	>40 dB	
Gain Range	0 to 15 dB	
Exposure Time	6 µs to 10 sec	11 µs to 10 sec
Shutter Mode	Global shutter: auto-exposure, manual exposure, one-key exposure	
Network	USB 3.0	
General Purpose I/O	Opto-isolated input x 1, opto-isolated output x 1 Bi-directional non-isolated I/O x 1	
Image Buffer	128 MB	
Data Format	Mono 8/10/10p/12/12p	Mono 8/10/12, Bayer RG 8/10/10p/12/12p, YUV422, YUV422 (UYVY), RGB 8
General		
Power	Approximately 3 W @ 12 VDC, voltage: 5 to 15 VDC, PoE	
Temperature	Working temperature: 32° to 122° F (0° to 50° C) Storage temperature: -22° to 158° F (-30° to 70° C)	
Dimensions	1.14" x 1.14" x 1.18" (29 mm × 29 mm × 30 mm)	
Weight	Approximately 21.98 oz (56 g)	
Lens Interface	C-mount	
Software	MVS or third-party software supporting USB 3.0 protocol	
Operating System	Windows XP/7/8 32-/64-bit	
Compliance	USB 3.0 Vision v1.0	
Certification	CE, FCC, RoHS	

Dimensions

Unit : mm

Recommended Accessories

• **Power Adapter:** 12 VDC @1 A

• **NIC:** Intel Pro1000 and above version

• **Network Cable:** CAT5e or CAT6 network cable

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