

MV-CL082-70CM

8K Line Scan CMOS CameraLink Camera

Introduction

MV-CL082-70CM is a high quality device that can be used in a variety of applications, including printing inspection, display inspection, wafer testing, PCB inspection and metallurgical testing.



Key Feature

- CameraLink interface, supporting Base and Medium mode
- Multiple ISP algorithms to ensure excellent image quality
- Upgrading through USB port provides high efficiency
- Supports automatic or manual adjustment of gain and exposure time, Gamma, LUT and etc.
- Supports custom ROI and binning
- Supports various lens interfaces
- Compatible with CameraLink and GenICam standard and can be seamlessly connected to third-party software platforms

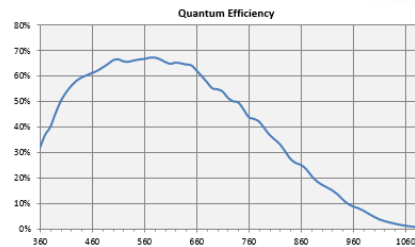
GEN*<i>C*AM



Recommended Accessories

- **Power:** 12VDC @1A power adapter
- **CameraLink Card:** Dalsa, Matrox and Euresys recommended
- **CameraLink Cable:** compatible with CameraLink standard recommended, SDR interface from camera's side

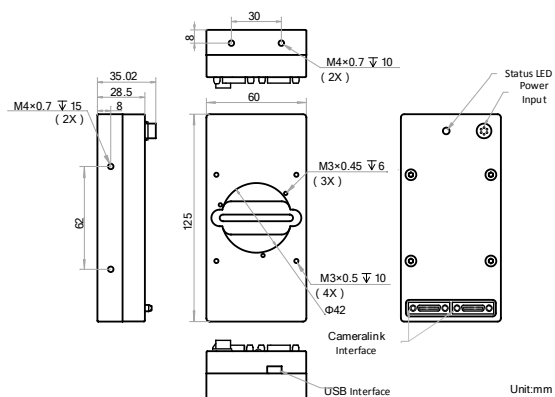
Sensor Quantum Efficiency



Applicable Industry

Printing inspection, display inspection, wafer testing, PCB inspection, metallurgical testing

Dimension



Available Model

- Mono: MV-CL082-70CM



Specification

Model	MV-CL082-70CM	
Parameters	8K Line Scan CMOS CameraLink Camera	
Camera		
Sensor type	CMOS	
Pixel size	5 μm x 5 μm	
Resolution	8192 x 2	
Configured mode	Base	Medium
Sensor combination	2X-1Y	4X-1Y
Tap number	2 Taps	4 Taps
Line rate	40 kHz	
Dynamic range	67.6 dB	
SNR	40 dB	
Gain	0 dB to 12 dB	
Exposure time	1.5 μs to 6.6 ms	
External trigger mode	Line trigger and frame trigger	
Synchronization trigger mode	External trigger or software trigger	
Pixel format	Mono 8/10/12	
Pixel clock	85 MHz	
Electrical features		
Data interface	CameraLink	
Digital I/O	Power supply by 6-pin Hirose interface, CameraLink interface provides I/O	
Power supply	12 VDC to 24 VDC	
Power consumption	< 7.5W	
Structure		
Lens mount	Optical back focal length 10.3mm φ42, M2.5x3, screw fixed	
Dimension	125 mm × 60 mm × 35 mm (4.9" × 2.4" × 1.4")	
Weight	Approx. 360 g (0.79 lb.)	
Ingress protection	IP40 (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, without condensation	
General		
Client software	Frame grabber software meeting with GenICam protocol	
Operating system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS	
Compatibility	CameraLink, GenICam	
Certification	CE, FCC, RoHS, KC	



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