

MV-CL082-70CM

8K CMOS Camera Link Line Scan Camera



GEN*<i>*CAM



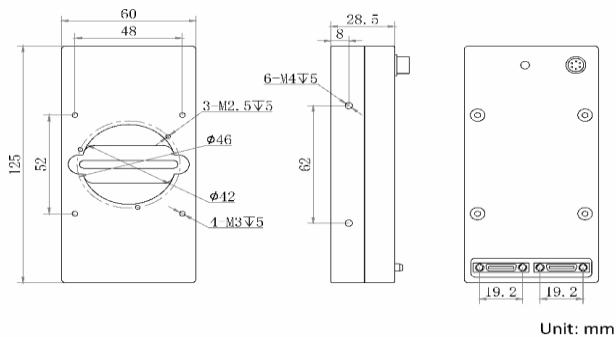
Introduction

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

- Camera Link interface, supporting Base and Medium mode.
- Multiple ISP algorithms to ensure excellent image quality.
- Supports automatic or manual adjustment of gain and exposure time, Gamma, LUT, etc.
- Compatible with Camera Link and GenICam standard.

Dimension



Unit: mm

Recommended Accessories

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

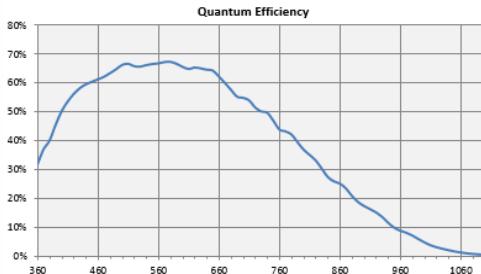
Available Model

Mono camera: MV-CL082-70CM

Applicable Industry

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

Sensor Quantum Efficiency



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Specification

Model	MV-CL082-70CM	
Camera		
Sensor type	CMOS	
Pixel size	5 μ m	
Resolution	8192 \times 2	
Pixel clock	85 MHz	
Configured mode	Base	Medium
Max. line rate	40 kHz@8192 \times 2	
Tap geometry	2X-1Y	4X-1Y
Tap number	2 Taps	4 Taps
Pixel format	Mono 8/10/12	
Dynamic range	67.6 dB	
SNR	40 dB	
Gain	0 dB to 12 dB	
Exposure time	1.5 μ s to 6.6 ms	
Exposure mode	Supports fixed exposure time, and trigger-width exposure	
External trigger mode	Line trigger and frame trigger	
Mono/color	Mono	
Trigger mode	External trigger, internal trigger	
External trigger mode	Line trigger, frame trigger, line + frame trigger	
Electrical features		
Data interface	Camera Link	
Digital I/O	6-pin Hirose connector provides power, Camera Link interface provides I/O	
Power supply	12 VDC to 24 VDC	
Power consumption	Typ. 7.5W@12 VDC	
Mechanical		
Lens mount	Optical back focal length 10.3mm ϕ 42, M2.5x3, screw fixed	
Dimension	125 mm \times 60 mm \times 28.5 mm (4.9" \times 2.4" \times 1.1")	
Weight	Approx. 360 g (0.79 lb.)	
Ingress protection	IP40 (under proper lens installation and wiring)	
Temperature	Working temperature: 0 $^{\circ}$ C to 50 $^{\circ}$ C (32 $^{\circ}$ F to 122 $^{\circ}$ F) Storage temperature: -30 $^{\circ}$ C to 70 $^{\circ}$ C (-22 $^{\circ}$ F to 158 $^{\circ}$ F)	
Humidity	20% to 80% RH, non-condensing	
General		
Client software	MVS and the frame grabber software meeting with GenICam standard	
Operating system	32/64-bit Windows XP/7/10	
Compatibility	Camera Link V1.2, GenICam	
Certification	CE, FCC, KC, RoHS	

HIKROBOT

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