MV-CL082-70CM

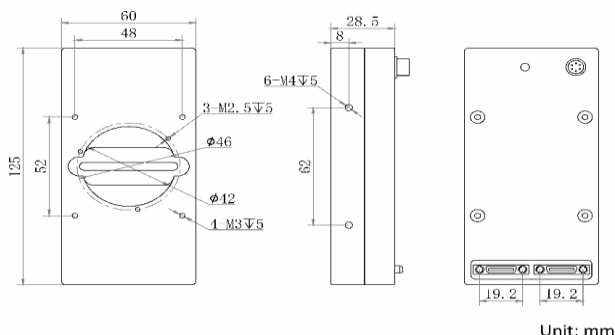## 8K CMOS Camera Link Line Scan Camera

GEN<i>CAM

CAMERA Link

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
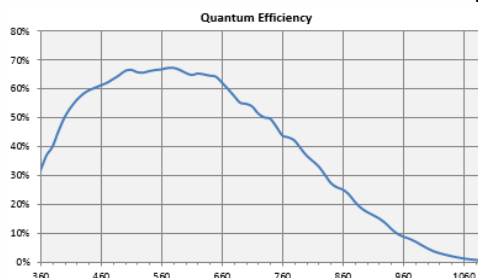
Available Model

Mono camera: MV-CL082-70CM

Applicable Industry

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

Sensor Quantum Efficiency

Specification

Model	MV-CL082-70CM	
Camera		
Sensor type	CMOS	
Pixel size	5 μm	
Resolution	8192 × 2	
Pixel clock	85 MHz	
Configured mode	Base	Medium
Max. line rate	40 kHz@8192 × 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 μs 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 × 60 mm × 28.5 mm (4.9" × 2.4" × 1.1")	
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, non-condensing	
General		
Client software	MVS and the frame grabber software meeting with GenlCam standard	
Operating system	32/64-bit Windows XP/7/10	
Compatibility	Camera Link V1.2, GenlCam	
Certification	CE, FCC, KC, RoHS	