MV-CL084-90CM
8192 P CameraLink Line Scan Camera

Introduction

MV-CL084-90CM camera adopts CameraLink interface to transmit image. Its interface supports Base, Medium and Full modes with max. horizontal scanning frequency 80 kHz.

Key Feature

- Supports exposure time control and gain adjustment
- Supports bright field uniformity correction
- Supports LUT, Gamma correction, and etc
- Adopts compact structure design and installation holes for flexible installation
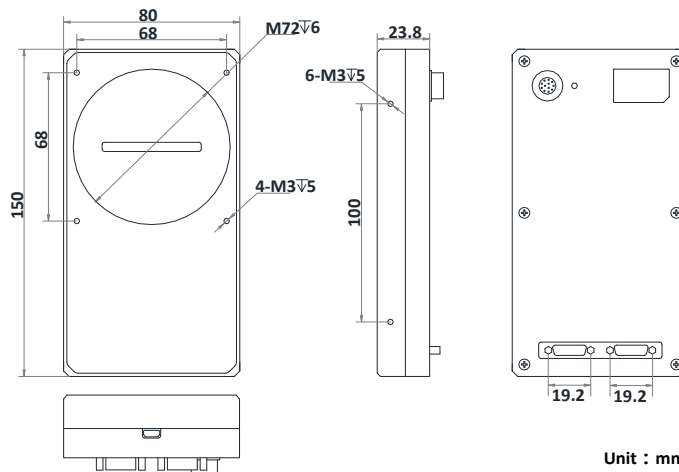- Compatible with CameraLink Protocol and GenICam Standard

Applicable Industry

Printing, metallurgy, food, transportation, logistics, material sorting, pharmaceutical manufacturing and etc.
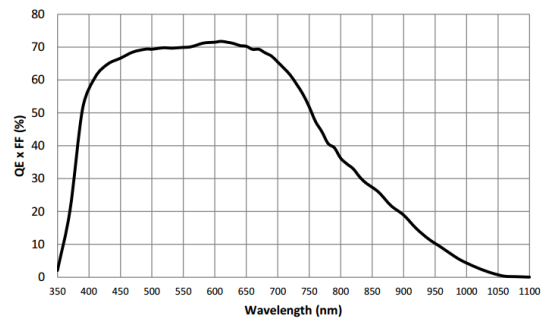
Available Model

Mono camera: MV-CL084-90CM

Dimension

Sensor Quantum Efficiency

MV-CL084-90CM

Unit：mm

Specification

Model	MV-CL084-90CM		
Parameters	8192 P CameraLink Mono Line Scan Camera		
Camera			
Sensor type	CMOS		
Pixel size	5 µm		
Resolution	8192 × 4		
Pixel clock	85 MHz		
Configuration mode	Base	Medium	Full
Horizontal scanning frequency	20 kHz	40 kHz	80 kHz
Tap mode	2 X	4 X	8 X
Pixel format	Mono 8/ 10/ 12		
Dynamic range	62 dB		
SNR	42 dB		
Gain	Supports 2.7x /3.0 x / 3.5 x / 4.6 x / 6.2 x		
Exposure time	3 µs to 10 ms		
Shutter mode	Off/ Once/ Continuous exposure mode; supports fixed exposure time		
Mono/color	Mono		
Reverse image	Supports horizontal reverse image output		
Binning	Supports 1/ 2/ 4		
External trigger mode	Line trigger, frame trigger		
Synchronization signal mode	External trigger, software trigger		
Electrical features			
Data interface	CameraLink, USB (for firmware updating)		
Digital I/O	12-pin Hirose connector provides power and I/O: differential input x2 (Line 0, Line 3), differential output x2 (Line 1, Line 4); CameraLink provides I/O		
Power supply	12 VDC to 24 VDC		
Power consumption	< 8.0 W@12 VDC		
Structure			
Lens mount	M72*0.5, back focal length 10.1 mm (0.4")		
Dimension	150 mm × 80 mm × 23.8 mm (5.9" × 3.1" × 0.9")		
Weight	Approx. 400 g (0.9 lb.)		
Ingress protection	IP 40 (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	MVS and frame grabber software with GenICam Protocol		
Operating system	Windows XP/7/10 32/64 bits		
Compatibility	CameraLink V2.0, GenICam		
Certification	CE, FCC, RoHS		