MV-CL084-90CM

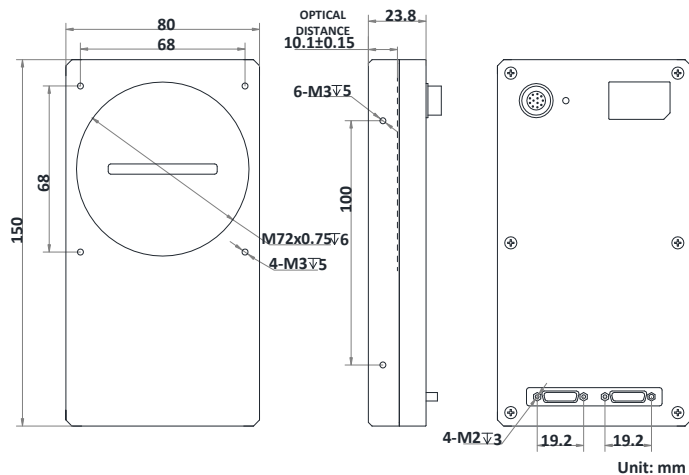**8192 P Camera Link Line Scan Camera**

Introduction

MV-CL084-90CM camera adopts the Time Delay Integration (TDI) technology and uses Camera Link interface to transmit image, and its max. line rate can reach 100 kHz. It supports different image modes and is applicable to printing, metallurgy, food, transportation, logistics, etc.

Key Feature

- Supports configuration modes of Base, Medium, Full and 80-bit via the Camera Link interface.
- Supports TDI function to select different image modes.
- Supports exposure time and gain adjustment, PRNUC correction, LUT, Gamma correction, etc.
- Compact design and flexible installation.
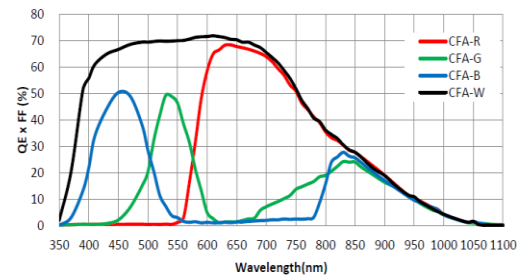- Compatible with Camera Link Protocol and GenlCam Standard.

Available Model

MV-CL084-90CM

Applicable Industry

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

Sensor Quantum Efficiency

Dimension

Unit: mm

Specification

Model	MV-CL084-90CM
Camera	
Sensor type	CMOS
Pixel size	5 µm
Resolution	8192 × 4
Image mode	Supports 1-line, 2-TDI, 4-TDI
Max. line rate	20 kHz (Base), 40 kHz (Medium), 80 kHz (Full), 100 kHz (80-bit)
Configuration mode	Base, Medium, Full, 80-bit
Tap geometry	1X2, 1X4, 1X8, 1X10
Tap number	2 Taps, 4 Taps, 8 Taps, 10 Taps
Pixel clock	40 MHz, 60 MHz, 70 MHz, 85 MHz
Dynamic range	62 dB
SNR	42 dB
Gain	Supports 2.7 ×, 3.0 ×, 3.5 ×, 4.6 ×, 6.2 ×
Exposure time	3 µs to 10 ms
Exposure mode	Off/ Once/ Continuous exposure mode; supports fixed exposure time, trigger-width exposure
Mono/color	Mono
Pixel format	Mono 8/10/12
Binning	Supports 1 × 1, 1 × 2, 1 × 4, 2 × 1, 2 × 2, 2 × 4, 4 × 1, 4 × 2, 4 × 4
Reverse image	Supports horizontal reverse image output
Trigger mode	External trigger, internal trigger
External trigger mode	Line trigger, frame trigger, line + frame trigger
Electrical features	
Data interface	Camera Link; USB interface for updating firmware
Digital I/O	12-pin Hirose connector provides power and I/O, including differential input × 2 (Line 0, Line 3), differential output × 2 (Line 1, Line 4). Camera Link provides I/O (CC1/CC2/CC3/CC4)
Power supply	9 VDC to 24 VDC
Power consumption	Typ. 12.3 W@12 VDC
Mechanical	
Lens mount	M72*0.75, optical back focal length: 10.1 mm (0.4"), applicable to F-mount via lens adapter
Dimension	150 mm × 80 mm × 23.8 mm (5.9" × 3.1" × 0.9")
Weight	Approx. 400 g (0.9 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 frame grabber software meeting with Camera Link Protocol
Operating system	32/64-bit Windows XP/7/10
Compatibility	Camera Link V1.2, GenICam
Certification	CE, FCC, RoHS, KC