

# MV-CL084-90CM

8192 P TDI Camera Link Line Scan Camera



GEN*i*CAM



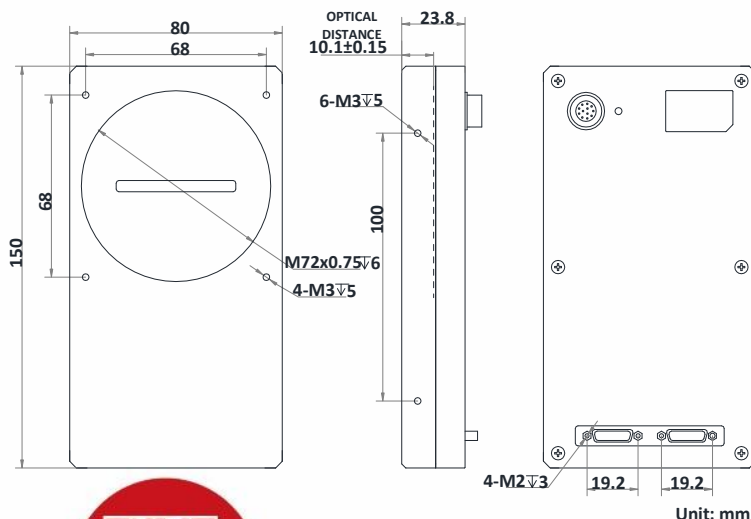
## Introduction

MV-CL084-90CM camera adopts the Time Delay Integration (TDI) technology and uses Camera Link interface to transmit image with max. line rate reaching 80 kHz. It is widely applicable to printing, metallurgy, food, transportation, logistics, material sorting, etc.

## Key Feature

- Supports configuration modes of Base, Medium, and Full via the Camera Link interface.
- Supports TDI function to select different image modes.
- Supports exposure time control and gain adjustment.
- Compatible with Camera Link Protocol and GenICam Standard.

## Dimension



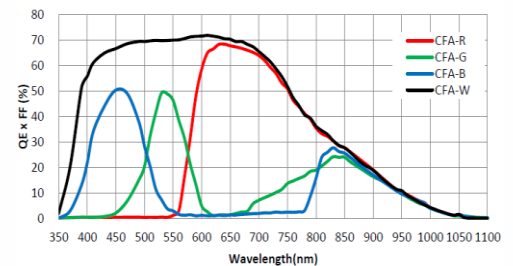
## Available Model

Mono camera: MV-CL084-90CM

## Applicable Industry

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

## Sensor Quantum Efficiency



## 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		
Pixel clock	60 MHz, 70 MHz, 85 MHz		
Configuration mode	Base	Medium	Full
Max. line rate	20 kHz @8192 × 4	40 kHz @8192 × 4	80 kHz @8192 × 4
Tap geometry	2X	4X	8X
Tap number	2 Taps	4 Taps	8 Taps
Pixel format	Mono 8/ 10/ 12		Mono 8
Dynamic range	62 dB		
SNR	42 dB		
Gain	Supports 2.7 x /3.0 x /3.5 x /4.6 x /6.2 x		
Exposure time	3 μs to 10 ms		
Exposure mode	Off/ Once/ Continuous exposure mode; supports fixed exposure time		
Mono/color	Mono		
Reverse image	Supports horizontal reverse image output		
Binning	Supports 1/2		
External trigger mode	Line trigger, frame trigger, line + frame trigger		
Synchronization	External trigger, internal trigger		
Electrical features			
Data interface	Camera Link; USB interface for updating firmware		
Digital I/O	12-pin Hirose connector provides power and I/O, differential input x 2 (Line 0, Line 3), differential output x 2 (Line 1, Line 4). Camera Link provides I/O (CC1/CC2/CC3/CC4)		
Power supply	12 VDC to 24 VDC		
Power consumption	Typ. 8.0 W@12 VDC		
Structure			
Lens mount	M72*0.75, 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		

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