

# MV-CL086-90CC

8192 P TDI Camera Link Line Scan Camera



GEN<i>i</i>CAM



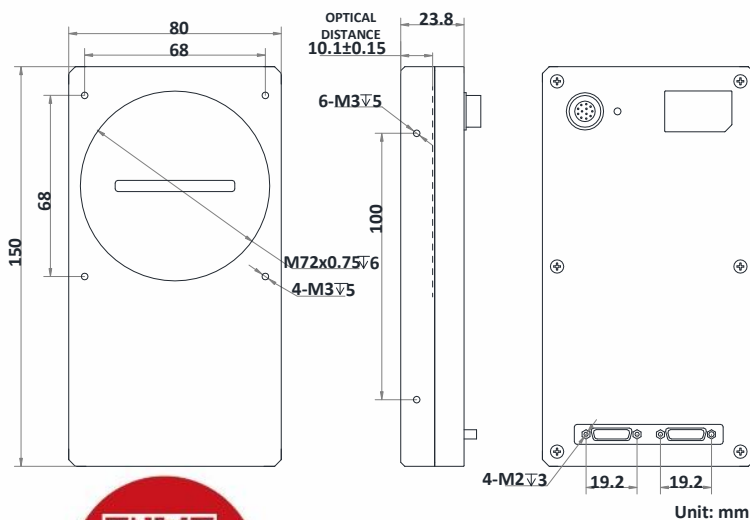
## Introduction

MV-CL086-90CC camera adopts the Time Delay Integration (TDI) technology and uses Camera Link interface to transmit image with max. line rate reaching 34 kHz.

## Key Feature

- Supports configuration modes of base, medium, and 80-bit via the Camera Link interface.
- Supports TDI function to select different image modes.
- Supports Time Delay Integration (TDI) function.
- Supports exposure time control, gain adjustment, LUT, etc.
- Compatible with Camera Link Protocol and GenCam Standard.

## Dimension



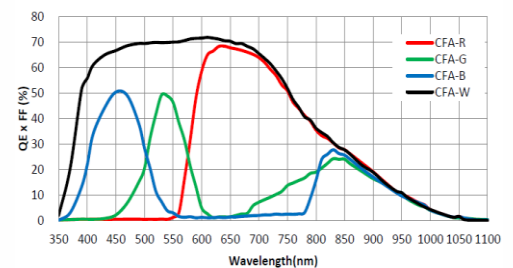
## Available Model

Color camera: MV-CL086-90CC

## Applicable Industry

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

## Sensor Quantum Efficiency



# Specification

<b>Model</b>	<b>MV-CL086-90CC</b>				
<b>Camera</b>					
<b>Sensor type</b>	CMOS				
<b>Pixel size</b>	5 μm				
<b>Resolution</b>	8192 × 6				
<b>Image mode</b>	Supports 2-TDI				
<b>Pixel clock</b>	40 MHz, 60 MHz, 70 MHz, 85 MHz				
<b>Configuration mode</b>	Base		Medium		80-bit
<b>Max. line rate</b>	10 kHz @8192 × 6	10 kHz @8192 × 6	20 kHz @8192 × 6	20 kHz @8192 × 6	34 kHz @8160 × 6
<b>Tap geometry</b>	1X	1X2	1X2	1X4	1X10
<b>Tap number</b>	1 Tap	2 Taps	2 Taps	4 Taps	10 Taps
<b>Pixel format</b>	RGB 8	Mono 8	RGB 8	Mono 8	Mono 8, RGB 8
<b>Dynamic range</b>	62 dB				
<b>SNR</b>	42 dB				
<b>Gain</b>	Supports 2.7 x /3.0 x /3.5 x /4.6 x /6.2 x				
<b>Exposure time</b>	3 μs to 10 ms				
<b>Exposure mode</b>	Off/ Once/ Continuous exposure mode				
<b>Mono/color</b>	Color				
<b>Reverse image</b>	Supports horizontal reverse image output				
<b>Binning</b>	Supports 1 × 1, 1 × 2, 1 × 4, 2 × 1, 2 × 2, 2 × 4, 4 × 1, 4 × 2, 4 × 4				
<b>External trigger mode</b>	Line trigger, frame trigger				
<b>Synchronization mode</b>	Via external trigger, internal trigger				
<b>Electrical features</b>					
<b>Data interface</b>	Camera Link; USB interface for updating firmware				
<b>Digital I/O</b>	12-pin Hirose connector provides power and I/O, differential input × 2 (Line 0, Line 3), differential output × 2 (Line 1, Line 4). Camera Link interface provides I/O				
<b>Power supply</b>	12 VDC				
<b>Power consumption</b>	Typ. 10.8 W @12 VDC				
<b>Structure</b>					
<b>Lens mount</b>	M72*0.75, back focal length 10.1 mm (0.4"), applicable to F-mount via lens adapter				
<b>Dimension</b>	150 mm × 80 mm × 23.8 mm (5.9" × 3.1" × 0.9")				
<b>Weight</b>	Approx. 400 g (0.9 lb.)				
<b>Ingress protection</b>	IP40 (under proper lens installation and wiring)				
<b>Temperature</b>	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)				
<b>Humidity</b>	20% to 80% RH, non-condensing				
<b>General</b>					
<b>Client software</b>	MVS and frame grabber software meeting with Camera Link Protocol				
<b>Operating system</b>	32/64-bit Windows XP/7/10				
<b>Compatibility</b>	Camera Link V1.2, GenICam				
<b>Certification</b>	CE, FCC, RoHS, KC				

## HIKROBOT

Hangzhou Hikrobot Technology Co., Ltd.  
No.399 Danfeng Road, Binjiang District, Hangzhou 310051, China.  
en.hikrobotics.com

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