

MV-CL086-90CC

8192 P Camera Link Line Scan Camera



GEN*i*CAM



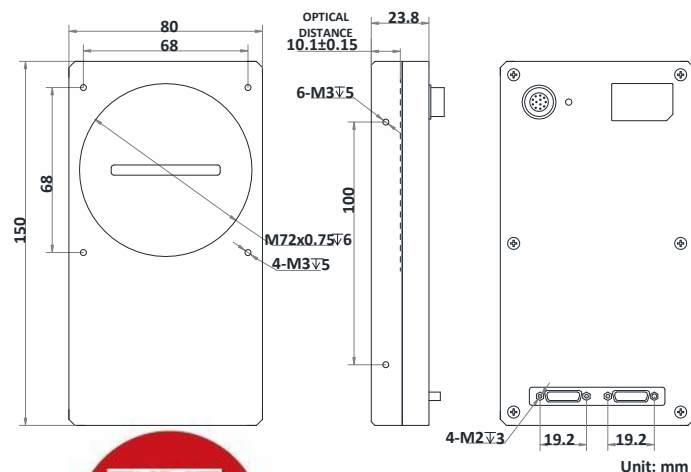
Introduction

MV-CL086-90CC camera adopts the Time Delay Integration (TDI) technology and uses Camera Link interface to transmit image, and its max. line rate can reach 34 kHz. It supports different image modes and is applicable to printing, metallurgy, food, transportation, logistics, etc.

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 exposure time and gain adjustment, PRNUC correction, LUT, Gamma correction, etc.
- Compact design and flexible installation.
- Compatible with Camera Link Protocol and GenCam Standard.

Dimension



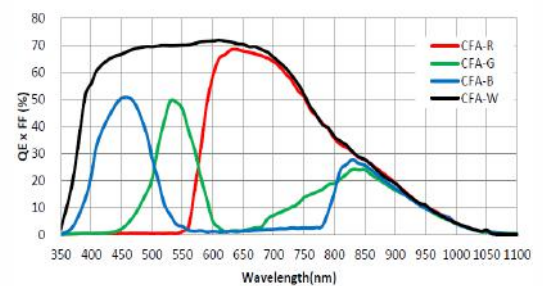
Available Model

MV-CL086-90CC

Applicable Industry

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

Sensor Quantum Efficiency



Specification

Model	MV-CL086-90CC
Camera	
Sensor type	CMOS
Pixel size	5 μ m
Resolution	8192 \times 6
Image mode	Supports 1-line, 2-TDI
Max. line rate	10 kHz (Base), 20 kHz (Medium), 34 kHz (80-bit)
Configuration mode	Base, Medium, 80-bit
Tap geometry	1X, 1X2, 1X4, 1X10
Tap number	1 Tap, 2 Taps, 4 Taps, 10 Taps
Pixel clock	40 MHz, 60 MHz, 70 MHz, 85 MHz
Dynamic range	62 dB
SNR	42 dB
Gain	Supports 2.7 \times , 3.0 \times , 3.5 \times , 4.6 \times , 6.2 \times
Exposure time	3 μ s to 10 ms
Exposure mode	Off/ Once/ Continuous exposure mode; supports fixed exposure time, trigger-width exposure
Mono/color	Color
Pixel format	RGB 8, Mono 8/10
Binning	Supports 1 \times 1, 1 \times 2, 1 \times 4, 2 \times 1, 2 \times 2, 2 \times 4, 4 \times 1, 4 \times 2, 4 \times 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 \times 2 (Line 0, Line 3), differential output \times 2 (Line 1, Line 4). Camera Link provides I/O (CC1/CC2/CC3/CC4)
Power supply	12 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 \times 80 mm \times 23.8 mm (5.9" \times 3.1" \times 0.9")
Weight	Approx. 400 g (0.9 lb.)
Ingress protection	IP40 (under proper lens installation and wiring)
Temperature	Working temperature: 0 $^{\circ}$ C to 50 $^{\circ}$ C (32 $^{\circ}$ F to 122 $^{\circ}$ F) Storage temperature: -30 $^{\circ}$ C to 70 $^{\circ}$ C (-22 $^{\circ}$ F to 158 $^{\circ}$ 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

HIKROBOT

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

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