

# MV-CL041-70CM

4096P CMOS CameraLink Line Scan Camera



**GEN*i*CAM**



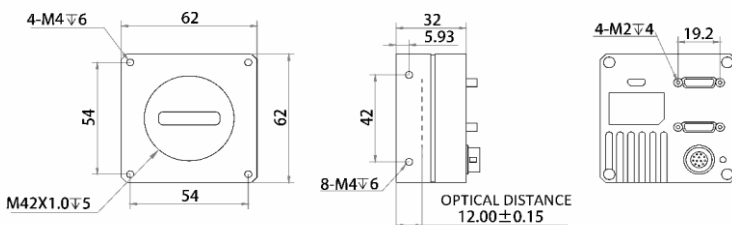
## Introduction

MV-CL041-70CM camera adopts CameraLink interface to transmit non-compressed data in real time with line rate reaching 100 kHz. It can work under the low-temperature environment with its heating mode enabled. It also supports various triggering modes.

## Key Feature

- CameraLink interface, supporting Base, Medium and Full modes
- Supports exposure time control and gain adjustment
- Supports custom LUT and Gamma correction, etc.
- Supports PRNU function
- Compatible with CameraLink Protocol and GenCam Standard

## Dimension



Unit: mm

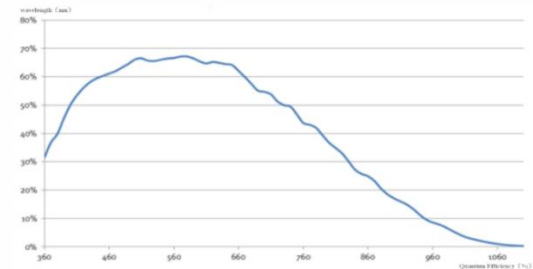
## Available Model

Mono Camera: MV-CL041-70CM

## Applicable Industry

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

## Sensor Quantum Efficiency



# Specification

<b>Model</b>	<b>MV-CL041-70CM</b>		
<b>Camera</b>			
<b>Sensor type</b>	CMOS		
<b>Pixel size</b>	5 μm x 5 μm		
<b>Resolution</b>	4096 x 1		
<b>Configuration mode</b>	Base	Medium	Full
<b>Max. line rate</b>	40 kHz @4096 x 1	80 kHz @4096 x 1	100 kHz @4096 x 1
<b>Sensor combination</b>	2X-1Y	4X-1Y	4X2_1Y
<b>Tap number</b>	2 Taps	4 Taps	8 Taps
<b>Pixel format</b>	Mono 8/10/12		Mono 8
<b>Pixel clock</b>	85 MHz		
<b>Shutter mode</b>	Off/ Once/ Continuous exposure mode; supports fixed exposure time		
<b>Dynamic range</b>	67.3 dB		
<b>SNR</b>	45.1 dB		
<b>Gain</b>	Supports 1x/2x/4x		
<b>Binning</b>	Supports 1, 2, 4		
<b>Reverse image</b>	Supports horizontal reverse image output		
<b>Exposure time</b>	2 μs to 10 ms		
<b>Electrical features</b>			
<b>Data interface</b>	CameraLink, USB (only for firmware upgrade)		
<b>Digital I/O</b>	12-pin Hirose connector for power supply and I/O: differential signal input x2 (Line0, Line3), differential signal output x2 (Line1, Line4) CameraLink interface provides I/O		
<b>Power supply</b>	12 VDC to 24 VDC, 12 VDC under the heating mode		
<b>Power consumption</b>	< 3.5 W @12 VDC		
<b>Structure</b>			
<b>Lens mount</b>	M42 × 1.0, optical back focal length 12mm (0.5"), applicable to F-mount, C-mount and lens of other types via adapter ring		
<b>Dimension</b>	62 mm × 62 mm × 32 mm (2.4" × 2.4" × 1.3")		
<b>Weight</b>	Approx. 150 g (0.3 lb.)		
<b>Ingress protection</b>	IP40 (under proper 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, without condensation		
<b>General</b>			
<b>Client software</b>	MVS and frame grabber software meeting with GenICam protocol		
<b>Operating system</b>	Windows XP/7/10 32/64-bit		
<b>Compatibility</b>	CameraLink 2.0, GenICam		
<b>Certification</b>	CE, FCC, KC, RoHS		

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