

MV-CH160-60GM

16 MP 1.1" CMOS GigE Area Scan Camera



GEN<i>i</i>CAM

GIG<i>E</i>
VISION

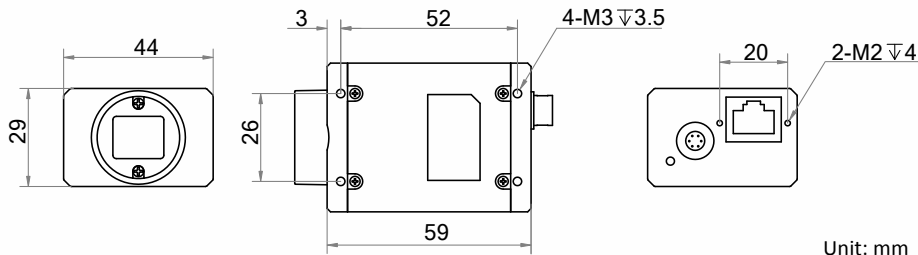
Introduction

MV-CH160-60GM camera adopts CMOS sensor to provide high-quality images. It uses GigE interface to transmit non-compressed images in real time, and its max. frame rate can reach 7.25 fps in full resolution.

Key Feature

- Resolution of 4000 × 4000, pixel size of 3.2 μm × 3.2 μm.
- Adopts GigE interface and max. transmission distance of 100 meters without relay.
- Supports hardware trigger, software trigger, and free run.
- Compatible with GigE Vision V2.0 Protocol, GenICam Standard, and third-party software based on the protocol and standard.

Dimension



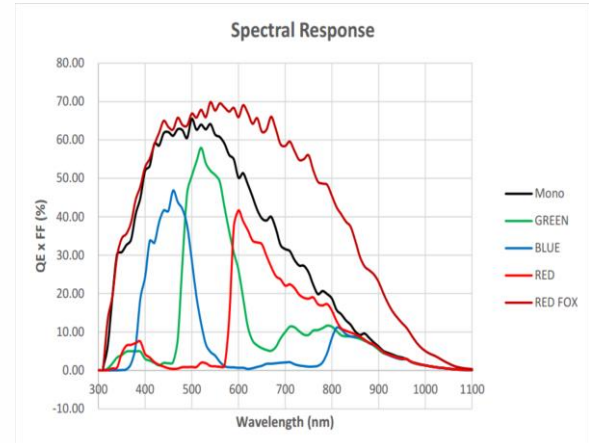
Available Model

MV-CH160-60GM

Applicable Industry

Lithium battery, SMT/ PCB AOI, FPD, railway related applications, etc.

Sensor Quantum Efficiency



Aremak Bilişim Teknolojileri
Endüstriyel Görüntü İşleme Çözümleri

Adres: ODTÜ Teknokent Bilişim ve İnovasyon Merkezi,
Mustafa Kemal Mahallesi, Dumlupınar Bulvarı No:280G,
İç Kapı No:1260, Çankaya, Ankara/Türkiye

W: www.aremak.com.tr
E: shop@aremak.com.tr
T: +908502551506



en.hikrobotics.com



Specification

Model	MV-CH160-60GM
Camera	
Sensor type	CMOS, global shutter
Sensor model	HK
Pixel size	3.2 μm \times 3.2 μm
Sensor size	1.1"
Resolution	4000 \times 4000
Max. frame rate	7.25 fps @4000 \times 4000 Mono 8
Dynamic range	65 dB
SNR	38 dB
Gain	6 dB to 14 dB
Exposure time	12 μs to 10 sec
Exposure mode	Off/Once/Continuous exposure mode
Mono/color	Mono
Pixel format	Mono 8/10/12
Binning	Supports 1 \times 1, 2 \times 2, 4 \times 4
Decimation	Supports 1 \times 1, 2 \times 2, 4 \times 4
Reverse image	Supports horizontal and vertical reverse image output
Electrical feature	
Data interface	Gigabit Ethernet, compatible with Fast Ethernet
Digital I/O	6-pin P7 connector provides power and I/O, including opto-isolated input \times 1 (Line 0), opto-isolated output \times 1 (Line 1), bi-directional non-isolated I/O \times 1 (Line 2).
Power supply	9 VDC to 26 VDC, supports PoE
Power consumption	Typ. 3.72 W@12 VDC
Mechanical	
Lens mount	C-mount
Dimension	29 mm \times 44 mm \times 59 mm (1.1" \times 1.7" \times 2.3")
Weight	Approx. 100 g (0.2 lb.)
Ingress protection	IP30 (under proper lens installation and wiring)
Temperature	Working temperature: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$) Storage temperature: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$)
Humidity	20% to 80% RH, non-condensing
General	
Client software	MVS or third-party software meeting with GigE Vision Protocol
Operating system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS
Compatibility	GigE Vision V2.0, GenICam
Certification	CE, RoHS, KC

HIKROBOT

Hangzhou Hikrobot Co., Ltd.
en.hikrobotics.com

© Hangzhou Hikrobot Co., Ltd. All Rights Reserved.

Hangzhou Hikrobot does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice. All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.



Aremak Bilişim Teknolojileri
Endüstriyel Görüntü İşleme Çözümleri

Adres: ODTÜ Teknokent Bilişim ve İnovasyon Merkezi,
Mustafa Kemal Mahallesi, Dumlupınar Bulvarı No:280G,
İç Kapı No:1260, Çankaya, Ankara/Türkiye

W: www.aremak.com.tr
E: shop@aremak.com.tr
T: +908502551506