

MV-CH120-90TM

12 MP 1.1" CMOS 10 GigE Area Scan Camera







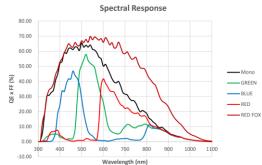


Introduction

MV-CH120-90TM camera adopts Gpixel GMAX3412 sensor to provide MV-CH120-90TM-C-NF high-quality image. It uses 10 GigE interface to transmit noncompressed image in real time, and its max. frame rate can reach 65 fps in full resolution.

Available Model

Sensor Quantum Efficiency



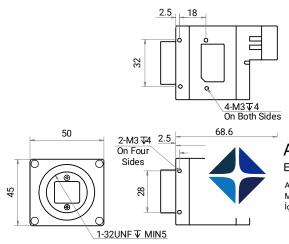
Key Features

- Resolution of 4096 × 3000, pixel size of $3.4 \,\mu\text{m} \times 3.4 \,\mu\text{m}$.
- Compatible with C-mount lens.
- Adopts 10 GigE interface providing maximum transmission distance of 100 meters.
- Provides mounting holes on panels for flexible installation.
- Compatible with GigE Vision Protocol V2.0, GenlCam Standard, and third-party software based on protocols.

Applicable Industry

SMT/PCB AOI, FPD, railway industry, lithium battery, photovoltaics, etc.

Dimension



Aremak Bilişim Teknolojileri

Endüstriyel Görüntü İşleme Çözümleri

Adres: ODTÜ Teknokent Bilişim ve İnovasyon Merkezi, Mustafa Kemal Mahallesi, Dumlupinar Bulvari No:280G, İç Kapı No:1260, Çankaya, Ankara/Türkiye S.

Unit: mm

O

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



Specification

Model	MV-CH120-90TM
Performance	
Sensor type	CMOS, global shutter
Sensor model	Gpixel GMAX3412
Pixel size	3.4 μm × 3.4 μm
Sensor size	1.1"
Resolution	4096 × 3000
Max. frame rate	65 fps @ 4096 × 3000 Mono 8
Dynamic range	60.1 dB
SNR	39 dB
Gain	0 dB to 6.1 dB
Exposure time	6 μs to 10 sec
Exposure mode	Off/Once/Continuous exposure mode
Mono/color	Mono
Pixel format	Mono 8/10/10Packed/12/12Packed
Binning	Supports 1 × 1, 1 × 2, 1 × 4, 2 × 1, 2 × 2, 2 × 4, 4 × 1, 4 × 2, 4 × 4
Decimation	Supports 1 × 1, 1 × 2, 1 × 4, 2 × 1, 2 × 2, 2 × 4, 4 × 1, 4 × 2, 4 × 4
Reverse image	Supports horizontal and vertical reverse image output
Electrical feature	
Data interface	10 Gigabit Ethernet (10000 Mbit/s), compatible with Gigabit Ethernet (1000 Mbit/s)
Digital I/O	6-pin P7 connector provides power and I/O, including opto-isolated input × 1 (Line 0), opto-
	isolated output \times 1 (Line 1), and bi-directional non-isolated I/O \times 1 (Line 2)
Power supply	9 VDC to 24 VDC
Power consumption	10.2 W @ 12 VDC
Mechanical	
Lens mount	C-mount
Dimension	50 mm × 45 mm × 68.6 mm (2.0" × 1.8" × 2.7")
Weight	Approx. 212 g (0.5 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 80 °C (−22 °F to 176 °F)
Humidity	20% RH to 95% RH (no condensation)
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
Compatibility	GigE Vision V2.0, GenlCam
Certification	CE, RoHS, KC

Hangzhou Hikrobot Co. Ltd. en.hikrobotics.com

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



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

Hangzhou Hikrobot Co., Euk Aurigins 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.