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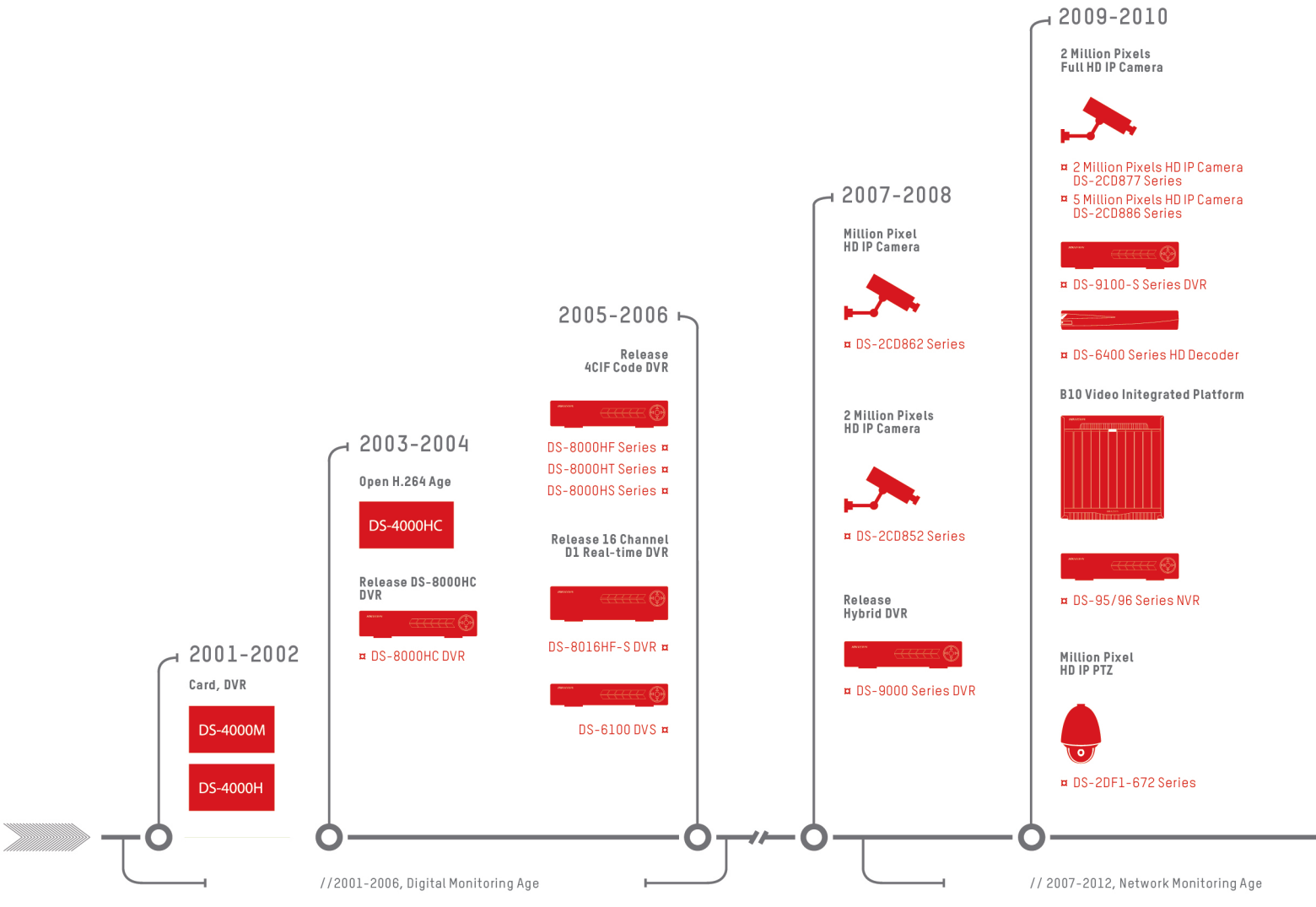
Company Overview

Concentrate on products innovation

Based on the deep R&D capabilities, Hikvision has been launching new generation of products every other year and leading the industry for years. Hikvision are the 1st company whose mainstream products passed GB/T28181 standard. Hikvision has launched innovative surveillance products including deep learning intelligent cameras of Dark Eyes series, intelligent servers of Falcon, Blade and Facial Makeup series, and IPC of Darkfighter series. Besides, Hikvision also launched other industrial products of intelligent warehouse robot, machine vision camera and unmanned aerial vehicle.

Global Ranking

2012, No.1 in IMS Global Video Surveillance; DVR No.1; Surveillance Camera No.3 in the world, No.1 in China; VMS No.5 in the world, No.1 in China.
2013-2014, No.1 in Global Surveillance Cameras; NVR No.1; DVR No.1 (Reference: IHS)
2015, No.2 in Global Security Top 50 (No.1 in Asia); No.1 in Global Video Surveillance; VMS rise to No.3 (Reference: A&S, continue to lead the global security industry



2011-2012

Advanced Netra Series DVR

DS_81/91HF_ST Series DVR

X64\X55\X54\X83(5MP) Series

HD IP Camera

46 inch Splicing Screen

DS_D2046NL Series

B20 Video Integrated Platform

2 Million Pixels HD Intelligence IP PTZ

DS-2DF1-584D HD Intelligence PTZ

DS-86/96n-ST Series NVR

DS-91HFH-ST Series Digital HD NVR

64HD-T HD Decoder

2013-2014

Release Full Series Distribute Product

C1\C2 Civil Security Product

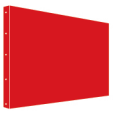
Binocular Vision Face Recognition System

4024(1080P 60 FPS) HD IP Camera

6253(5MP 25 FPS) HD IP Camera

DS-96128/96256 Series Super NVR

46 inch Splicing Screen



DS-D2046NH-B Series

Alarm Product

Smart City Solution

Darkfighter Series Camera

2015

Multi-sensor Panorama Splicing Camera

1+4 PanoVu

1+7 PanoVu

1+8 PanoVu

Redefinition Panorama Camera

DT1.0 Multidimensional Awareness Visual Content Couplet

Eagle series Industry unmanned aerial vehicle

Create air three-dimensional monitoring system

Release Industrial Camera

Lightning HPS

One Key Alarm Column

2016

Falcons super intelligence server
Blade super intelligence server

Dark Eyes series camera

Facial Makeup series face analysis server

Deep Learning series NVR

Darkfighter + Series Camera

Release intelligent warehouse robot

Enter the automotive electronics

// 2013-2015, High-definition Monitoring Age

// 2016--, Intelligence Security Big-data Age

Hangzhou Hikrobot Technology Co., Ltd.

Overview

Hangzhou Hikrobot Technology Co., Ltd. is a subsidiary company of Hikvision. Hikrobot is initially formed by a team of experts in the field of machine vision. Based on the technology heritage from Hikvision, Hikrobot put its business focus on the intelligent manufacturing and reimage how the machine benefits human beings. Hikrobot now are worldwide supplier of mobile robot, machine vision and unmanned aerial vehicle.

The company has a group of experienced research experts who have a good command in image processing, pattern recognition and the machine vision algorithm. With the great knowledge in the AI, machine learning and robot technology, Hikrobot is dedicated to help the manufacturers to realize the successful industries 4.0 transition.

Mobile Robot

Based on the core technology of image processing, hardware design and precision algorithm, Hikrobot have developed warehousing robot system. Then, Hikrobot have developed the carrying robot that can be connected with production lines, sorting robot that is applied for sortation of small parcels, and parking robot that remarkably improves the available parking space. These robots are designed for the intelligent manufacturing to lead the factory logistics.

Machine Vision

The products cover entire series of industrial cameras, lenses, vision software platforms, vision box and industrial smart cameras. They are applied in technology products, metal processing, industrial automation and other fields; Achieved fast and accurate positioning guidance, dimension measurement, identification and other applications. The industrial camera products are produced under rigorous testing and quality control. They are proven stable, reliable and support customized development. These cameras are integrated into the mature system solutions in various applications and industries to contribute to end user's substantial increase in efficiency and accuracy.

Unmanned Aerial Vehicle

With rich experience of video technology, Hikrobot have independently developed Falcon series unmanned aerial vehicles and low altitude airspace UAV jammers to provide professional industrial solutions for security. The products of UAVs are based on the core technology of video, image processing and deep integration of industrial recourses, also targeted at the industry of security, smart applications, and industrial demands.

GIGE Area Scan Camera

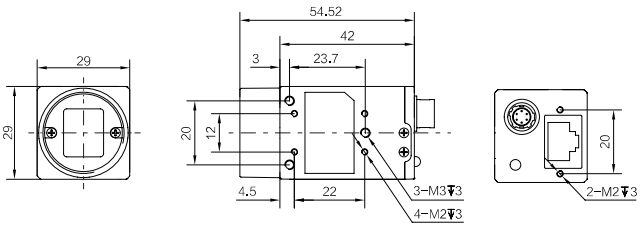
CA Series

Key Features

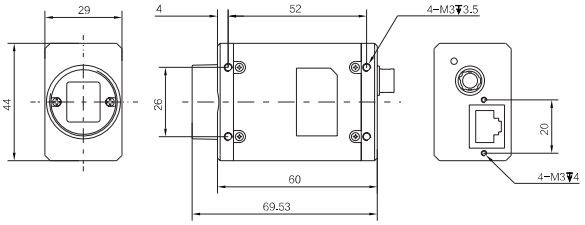
- High quality CCD or CMOS sensor with high resolution, high sensitivity, high signal-to-noise ratio, wide dynamic range, etc.
- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR cycling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free running mode
- Support customize ROI, to improve frame rate by reducing the resolution, and support mirror output
- Support Binning modes, which could improve camera sensitivity
- GigE interface, with the maximum transmission distance of 100 m (without relay)
- 128 MB on-board buffer, which enable to cache multiple pictures for data transmission or image retransmitting in Burst mode
- Compact structure, small outline and easy to install
- Compatible with GigE Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
- Can be controlled by MVS client, equipped with rich SDK, including Windows, Linux and Mac OS version
- CE, FCC, RoHS certification

Dimension (unit: mm)

Except MV-CA030-10GM/C



MV-CA030-10GM/C



Specs

Model	MV-CA003-20GM/C	MV-CA003-30GM/C	MV-CA003-50GM/C
MP	0.3 MP	0.3 MP	0.3 MP
Sensor Description	Onsemi Python 300 CMOS 1/4"	Aptina MT9V034 CMOS 1/3"	Sharp RJ33B4AD0DT CCD 1/3"
Shutter	Global shutter	Global shutter	Progressive Scanning
Resolution	672×512	752×480	640×480
Pixel Size	4.8 μm×4.8 μm	6 μm×6 μm	7.4 μm×7.4 μm
Mono/Color	Mono/Color	Mono/Color	Mono/Color
Frame Rate	Mono: 300 fps Color: 172 fps (YUV) 300 fps (Bayer)	Mono: 60 fps Color: 60 fps (YUV) 60 fps (Bayer)	Mono: 200 fps Color: 200 fps (YUV) 200 fps (Bayer)
Exposure Time Range	10 μs-10 sec	32 μs-1 sec	20 μs-1 sec
Dynamic Range	>60 dB	>52 dB	>52 dB
Signal-to-noise Ratio	>40 dB	>37 dB	>37 dB
Image Data Format	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer RG 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12, RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer BG 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono8 /10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer BG 8/10/10p/12/12p
Power Consumption	<2.6 W@12 VDC	<2.5 W@12 VDC	<3.6 W@12 VDC
Power Supply Mode	Power supply voltage 5~15V, supporting PoE power supply		
Size	29 mm×29 mm×42 mm		
Weight	<68 g		
GPIO	6-pin Hirose connector provides power and I/O including 1 opto-isolated input, 1 opto-isolated output and 1 Bi-directional configurable non-isolated IO		
Lens Mount	C-mount		
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃		

Model	MV-CA013-20GM/C MV-CA013-20GN	MV-CA013-30GM/C	MV-CA020-20GM/C
MP	1.3 MP	1.3 MP	2 MP
Sensor Description	OnSemi Python 1300 CMOS 1/2"	Aptina AR0134 CMOS 1/3"	Onsemi Python 2000 CMOS 2/3"
Shutter	Global Shutter	Global Shutter	Global Shutter
Resolution	1280×1024	1280×960	1920×1200
Pixel Size	4.8 μm×4.8 μm	3.75 μm×3.75 μm	4.8 μm×4.8 μm
Mono/Color	Mono/Color/NIR	Mono/Color	Mono/Color
Frame Rate	Mono/NIR: 90 fps Color: 45 fps (YUV) 90 fps (Bayer)	Mono: 53 fps Color: 48 fps (YUV) 53 fps (Bayer)	Mono: 51 fps Color: 25 fps (YUV) 51 fps (Bayer)
Exposure Time Range	10 μs-10 sec	19 μs-1 sec	10 μs-10 sec
Dynamic Range	>60 dB	>60 dB	>60 dB
Signal-to-noise Ratio	>40 dB	>37 dB	>40 dB
Image Data Format	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer RG 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer GR 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer BG 8/10/10p/12/12p
Power Consumption	<2.6 W@12 VDC	<2.5 W@12 VDC	<2.9 W@12 VDC
Power Supply Mode	Power supply voltage 5~15V, supporting PoE power supply		
Size	29 mm×29 mm×42 mm		
Weight	<68 g		
GPIO	6-pin Hirose connector provides power and I/O including 1 opto-isolated input, 1 opto-isolated output and 1 Bi-directional configurable non-isolated IO		
Lens Mount	C-mount		
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃		

Model	MV-CA023-10GM/C	MV-CA050-10GM/C	MV-CA050-20GM/C MV-CA050-20GN
MP	2.3 MP	5 MP	5 MP
Sensor Description	Sony IMX249 CMOS 1/1.2"	Sony IMX264 CMOS 2/3"	Onsemi Python 5000 CMOS 1"
Shutter	Global Shutter	Global Shutter	Global Shutter
Resolution	1920×1200	2448×2048	2592×2048
Pixel Size	5.86 μm×5.86 μm	3.45 μm×3.45 μm	4.8 μm×4.8 μm
Mono/Color	Mono/Color	Mono/Color	Mono/Color/NIR
Frame Rate	Mono: 30 fps Color: 25.6 fps (YUV) 30 fps (Bayer)	Mono: 23.5 fps Color: 11.7 fps (YUV) 23.5 fps (Bayer)	Mono/NIR: 22 fps Color: 11fp (YUV) 22 fps (Bayer)
Exposure Time Range	26 μs-0.1 sec	20 μs-10 sec	10 μs-10 sec
Dynamic Range	>70 dB	>60 dB	>60 dB
Signal-to-noise Ratio	>40 dB	>40 dB	>40 dB
Image Data Format	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer RG 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer RG 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer BG 8/10/10p/12/12p
Power Consumption	<3 W@12 VDC	<3.3 W@12 VDC	<3.3 W@12 VDC
Power Supply Mode	Power supply voltage 5~15V, supporting PoE power supply		
Size	29 mm×29 mm×42 mm		
Weight	<68 g		
GPIO	6-pin Hirose connector provides power and I/O including 1 opto-isolated input, 1 opto-isolated output and 1 Bi-directional configurable non-isolated IO		
Lens Mount	C-mount		
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃		

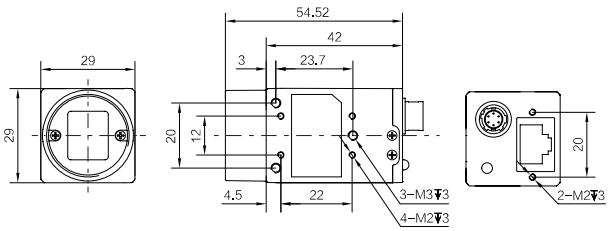
Model	MV-CA060-10GC MV-CA060-11GM	MV-CA030-10GM/C
MP	6 MP	3 MP
Sensor Description	Sony IMX178 CMOS 1/1.8"	Sony ICX687 CCD 1/1.8"
Shutter	Rolling Shutter	Progressive Scanning
Resolution	3072×2048	1920×1440
Pixel Size	2.4 μm×2.4 μm	3.69 μm×3.69 μm
Mono/Color	Color/Mono	Mono/Color
Frame Rate	Mono: 17 fps Color: 9.3 fps (YUV) 17 fps (Bayer8)	Mono: 25 fps Color: 21.3 fps (YUV) 25 fps (Bayer)
Exposure Time Range	27 μs-2.5 sec	26 μs-1 sec
Dynamic Range	>65 dB	>61 dB
Signal-to-noise Ratio	>40 dB	>40 dB
Image Data Format	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer RG 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer GB 8/10/10p/12/12p
Power Consumption	<3.5 W@12 VDC	<4 W@12 VDC
Power Supply Mode	Power supply voltage 5~15V, supporting PoE power supply	
Size	29 mm×29 mm×42 mm	44 mm×29 mm×60 mm
Weight	<68 g	<86 g
GPIO	6-pin Hirose connector provides power and I/O including 1 opto-isolated input, 1 opto-isolated output and 1 Bi-directional configurable non-isolated IO	6-pin Hirose connector provides power and I/O including 1 opto-isolated input and 1 opto-isolated output
Lens Mount	C-mount	
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃	

CE series

Key Features

- With a balanced image quality, high cost efficiency
- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR cycling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free running mode
- Support customize ROI, to improve frame rate by reducing the resolution, and support mirror output
- Support Binning modes, which could improve camera sensitivity
- GigE interface, with the maximum transmission distance of 100 m (without relay)
- 128 MB on-board buffer, which enable to cache multiple pictures for data transmission or image retransmitting in Burst mode
- Compact structure, small outline and easy to install
- Compatible with GigE Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
- Can be controlled by MVS client, equipped with rich SDK, including Windows, Linux and Mac OS version
- CE, FCC, RoHS certification

Dimension (unit: mm)



Specs

Model	MV-CE013-50GM/C	MV-CE100-30GM/C
MP	1.3 MP	10 MP
Sensor Description	Sharp RJ33 CCD 1/3"	Aptina MT9J003 CMOS 1/2.3"
Shutter	Progressive Scaning	Rolling Shutter
Resolution	1280×960	3840×2748
Pixel Size	3.75 μm×3.75 μm	1.67 μm×1.67 μm
Mono/Color	Mono/Color	
Frame Rate	Mono: 30 fps Color: 30 fps (YUV) 30 fps (Bayer)	Mono: 7 fps Color: 5.5 fps (YUV) 7 fps (Bayer)
Exposure Time Range	34 μs-1 sec	50 μs-2 sec
Dynamic Range	>60 dB	>65 dB
Signal-to-noise Ratio	>37 dB	>34 dB
Image Data Format	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer GR 8/10/10p/12/12p	
GPIO	6-pin Hirose connector provides power and I/O including 1 opto-isolated input, 1 opto-isolated output and 1 Bi-directional configurable non-isolated IO	
Power Consumption	<2.6 W@12 VDC	
Power Supply Mode	Power supply voltage 5~15V, supporting PoE power supply	
Size	29 mm×29 mm×42 mm	
Weight	<68 g	
Lens Mount	C-mount	
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃	

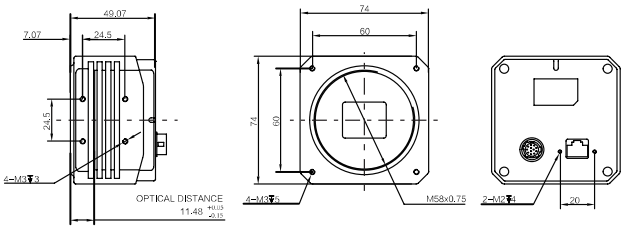
CH Series

Key Features

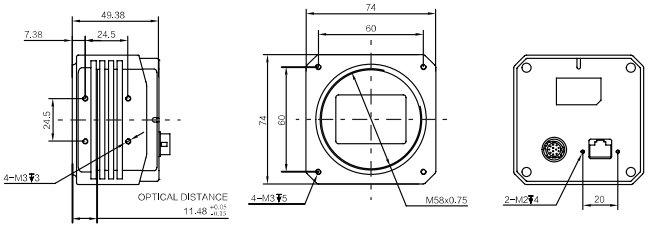
- High quality CCD sensor with ultra high signal-to-noise ratio, wide dynamic range, excellent imaging quality
- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR cycling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free running mode
- Support customize ROI, to improve frame rate by reducing the resolution, and support mirror output
- GigE interface, with the maximum transmission distance of 100 m (without relay)
- 128 MB on-board buffer, which enable to cache multiple pictures for data transmission or image retransmitting in Burst mode
- Compatible with GigE Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
- Can be controlled by MVS client, equipped with rich SDK, including Windows, Linux and Mac OS version
- CE, FCC, RoHS certification

Dimension (unit: mm)

MV-CH080-60GM/C



MV-CH290-60GM; MV-CH290-61GM



Specs

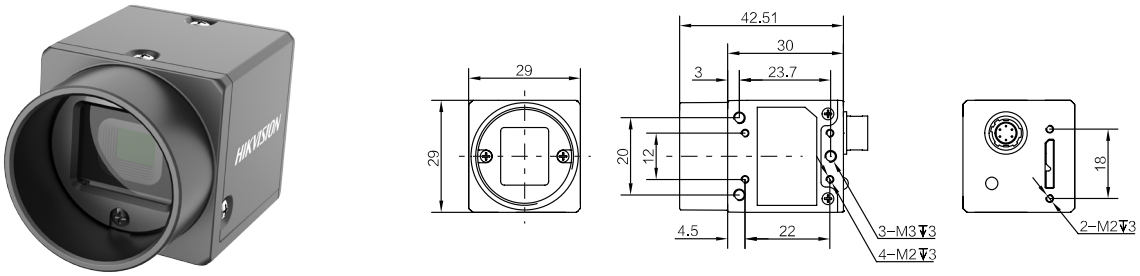
Model	MV-CH080-60GM/C	MV-CH290-60GM MV-CH290-61GM
MP	8 MP	29 MP
Sensor Description	Onsemi Kai-08051 CCD 4/3"	Onsemi Kai-29050 B2/B1 CCD 36 mm*24 mm
Shutter	Progressive Scanning	Progressive Scanning
Resolution	3296×2472	6576×4384
Pixel Size	5.5 μm×5.5 μm	5.5 μm×5.5 μm
Mono/Color	Mono/Color	Mono
Frame Rate	Mono:14 fps Color: 7 fps (YUV) 14 fps (Bayer)	4 fps
Exposure Time Range	50 μs-1 sec	110 μs-1 sec
Dynamic Range	>66 dB	>64 dB
Signal-to-noise Ratio	>40 dB	>40 dB
Image Data Format	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer GR 8/10/10p/12/12p	Mono 8/10/10p/12/12p
GPIO	12 PinIO, including 1 opto-isolated input, 1 opto-isolated output and 1 Bi-directional configurable non-isolated IO 1 RS232 and 1 full duplex RS485	
Power Consumption	~10.8 W@12 VDC	~12 W@12 VDC
Power Supply Mode	Power supply voltage 12 V, supporting PoE power supply	
Size	74 mm×74 mm×49 mm	
Weight	~700 g	
Lens Mount	M58*0.75, optical back focal length 11.48 mm, supporting C-mount or F-mount via lens adapter	M58*0.75, optical back focal length 11.48 mm, supporting F-mount via lens adapter
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃	

USB3.0 Area Scan Camera

Key Features

- USB3.0 interface, transmission bandwidth up to 5 Gbps, support USB interface power supply
- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR cycling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free running mode
- Support customize ROI, to improve frame rate by reducing the resolution, and support mirror output
- Support Binning mode, which could improve camera's sensitivity
- Compact structure, small outline and easy to install
- Compatible with USB3.0 Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
- Can be controlled by MVS client, equipped with rich SDK, including Windows and Linux version
- CE, FCC, RoHS certification

Dimension (unit: mm)



Specs

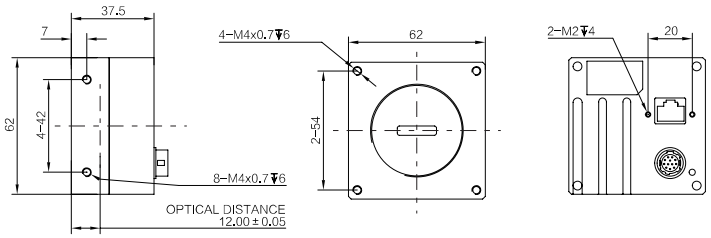
Model	MV-CA003-21UM/C	MV-CA013-20UM/C MV-CA013-21UM/C	MV-CA050-20UM/C
MP	0.3 MP	1.3 MP	5 MP
Sensor Description	Onsemi Python 300 CMOS 1/4"	Onsemi Python 1300 CMOS 1/2"	Onsemi Python 5000 CMOS 1"
Shutter	Global Shutter	Global Shutter	Global Shutter
Resolution	640×480	1280×1024	2592×2048
Pixel Size	4.8 μm×4.8 μm	4.8 μm×4.8 μm	4.8 μm×4.8 μm
Mono/Color	Mono/Color		
Frame Rate	Mono: 814 fps Color: 404 fps (YUV) 814 fps (Bayer)	Mono: 170 fps Color: 90 fps (YUV) 90 fps (Bayer)	Mono: 60 fps Color: 30 fps (YUV) 30 fps (Bayer)
Exposure Time Range	Mono: 3 μs-10 sec Color: 6 μs-10 sec	Mono: 6 μs-10 sec Color: 11 μs-10 sec	Mono: 8 μs-10 sec Color: 16 μs-10 sec
Dynamic Range	>60 dB	>60 dB	>60 dB
Signal-to-noise Ratio	>40 dB	>40 dB	>40 dB
Image Data Format	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer RG 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer RG 8/10/10p/12/12p	Mono: Mono 8/10/10p/12/12p Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer BG 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power and I/O including 1 opto-isolated input, 1 opto-isolated output and 1 Bi-directional configurable non-isolated IO		
Power Consumption	<3.3 W@12 VDC	<3 W@12 VDC	<3.5 W@12 VDC
Power Supply Mode	Power supply voltage 5~15 V, supporting USB3.0 power supply		
Size	29 mm×29 mm×30 mm		
Weight	<56 g		
Lens Mount	C-mount		
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃		

Line Scan Camera

Key Features

- GigE interface, with the maximum transmission distance of 100 m (without relay)
- Support automatic or manual adjustment of gain and exposure time, etc.
- Support custom ROI
- Support a variety of external trigger mode, signals can be synchronized with external trigger signal or free-running mode
- Optional jpg encoded output to effectively reduce the image transmission bandwidth
- Compact structure, small outline and easy to install
- Compatible with GigE Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
- Can be controlled by MVS client, equipped with rich SDK, including Windows, Linux and Mac OS version
- CE, FCC, RoHS certification

Dimension (unit: mm)



Specs

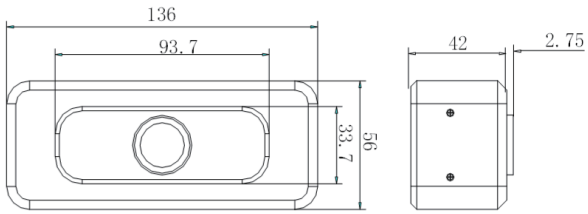
Model	MV-CL020-40GM	MV-CL020-41GC
Sensor Description	Awaiba DR2K7 Liner CMOS	Awaiba DR2x2K7 Liner CMOS
Resolution	2048×1	2048×2
Pixel Size	7 μm ×7 μm	7 μm ×7 μm
Frame Rate	1-51 kHz	1-26 kHz
Exposure Time Range	2 us-10 ms	
Signal-to-Noise Ratio	>60 dB	>60 dB
Dynamic Range	>40 dB	>40 dB
Mono/Color	Mono	Color
Image Data Format	Mono 8/10/10p/12/12p	Color: Mono 8/10/12 RGB 8 YUV 422 8 YUV 422 8 UYVY Bayer RG 8/10/10p/12/12p Support JPG coding
GPIO	12-pin Hirose connector provides power supply and I/O: 2-channel differential inputs, 2-channel differential outputs and 1-channel single-ended input	
Power Consumption	<4 W@12 VDC	
Power Supply Mode	Power supply voltage 5~15 V, supporting PoE power supply	
Size	62 mm×62 mm×37.5 mm	
Weight	<170 g	
Lens Mount	M42*1.0, back focus distance 12 mm Supporting F-mount, C-mount and other lens of threaded mounts via lens adapter	
Temperature	Working temperature 0~ 50℃ , storage temperature -30~80℃	

3D Camera

Key Features

- Adopt the latest TOF technology that reduces influence from surface texture and color of measured objects, thus providing stable and reliable performance
- Output 16 bit 320*240 high resolution depth map data in real time
- Support high-speed 3D information testing
- Automatic exposure control, can be set according to scene
- Offer various SDK, supporting access for different operating systems
- Support various working distances up to 5 m
- CE, FCC, RoHS certification

Dimension (unit: mm)



Specs

Model	MV-DT135-10VM	
Type	Middle Range 3D camera	
Working Distance	0.51 m-5 m	
Angle of View	60° (horizontal) x 46° (vertical)	
Resolution	320 x 240 @depth map	320 x 240 @grayscale map
Frame Rate	30 fps	
Data Format	16 bit @depth data	16 bit @grayscale data
Data Interface	USB2.0	
Power Consumption	<4 W@9 VDC	
Dimension	136 mm x 56 mm x 42 mm	
Weight	< 350 g	
Temperature	Working temperature 0~ 45℃ Storage temperature -30~60℃	
Operating System	Windows7 32 bit/64 bit	

Industrial Smart Camera

X86 Smart Camera

Key Features

- Excellent sensor platform for high-speed image data acquisition
- With embedded code-reading algorithm, efficiently read barcode types below
  1D Codes: Code 39, Code 93, Code 128, Codabar, etc. 2D Codes: QR code, Micro QR, Datamatrix, etc.
- Open platform can be provided to users for developing application based systems
- Optional USB interface
- GigE interface, with the maximum transmission distance of 100m (without relay)
- Various IO interfaces provide access for multiple input and output signals, support RS232 or RS485 serial port transmission protocol, and fiel dBus standard to connect with industrial equipment on site
- Various light source control, including additional on-camera light or external extended light control
- Multiple trigger modes (single-frame trigger, multiple-frame trigger), select image acquisition mode according to applications
- Support master-slave mode, to realize multi-machine linkage control
- Support LED status indicator, log can be saved and exported
- With IP67 protection, it meets the requirements of strict industrial environment
- CE, FCC, RoHS certification

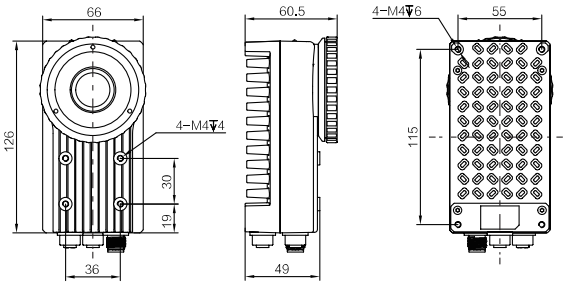
Specs

Model	MV-SI622-00GM MV-SI622-01GM MV-SI622-05GM MV-SI622-06GM	MV-SI612-01GM MV-SI612-05GM MV-SI612-06GM	MV-SI602-01GM MV-SI602-05GM MV-SI602-06GM
MP	5 MP	2 MP	1.3 MP
Sensor Description	Onsemi Python 5000 CMOS 1"	Onsemi Python 2000 CMOS 2/3"	Onsemi Python 1300 CMOS 1/2"
Shutter	Global shutter	Global shutter	Global shutter
Function Modules	Barcode Reading (1D Codes: Code 39, Code 93, Code 128, and Codabar, etc. 2D Codes: QR code, Micro QR, Datamatrix, etc.)		
System Architecture	Intel Atom E3845 inside, 4 cores,1.9 GHz		
Resolution	2592×2048	1920×1200	1280×1024
Pixel Size	4.8 μm×4.8 μm	4.8 μm×4.8 μm	4.8 μm×4.8 μm
Mono/Color	Mono		
Frame Rate	30 fps	50 fps	80 fps
Image Data Format	Mono 8		
GPIO	12 Pin IO port that includes 3 GPI inputs, 3 GPO outputs, 1 serial input and 1 serial output		
Memory Size	DDR3L memory 4 GB		
Storage Size	32 GB SSD		
Shutter Mode	Supporting automatic exposure, manual exposure, one-click exposure and other modes		
Power Consumption	MV-SI622-00GM: < 15.0 W@24 VDC MV-SI622-01GM: < 34.0 W@24 VDC MV-SI622-05GM: < 15.0 W@24 VDC MV-SI622-06GM: < 34.0 W@24 VDC	MV-SI612-01GM: < 28.0 W@24 VDC MV-SI612-05GM: < 11.0 W@24 VDC MV-SI612-06GM: < 28.0 W@24 VDC	MV-SI602-01GM: < 24.0 W@24 VDC MV-SI602-05GM: < 11.0 W@24 VDC MV-SI602-06GM: < 24.0 W@24 VDC
Power Supply Mode	Power supply voltage range is 9~24 VDC		
Lens Mount	C-mount		
Camera Control	Smart MVS		
IP Grade	IP67 (in the case of correct installation of appropriate lens cover)		
Light Sources And Lens Hood Optical Interface/USB Interface	MV-SI***-00GM does not include light source and lens hood, but includes external optical interface MV-SI***-01GM includes light source and lens hood and external optical interface MV-SI***-05GM does not include light source and lens hood, but includes USB port expansion output MV-SI***-06GM includes light source, lens hood and USB port expansion output		
Size	MV-SI***-00GM and MV-SI***-05GM: 126 mm*66 mm*60.5 mm MV-SI***-01GM and MV-SI***-06GM: 126 mm*66 mm*113.2 mm		
Weight	MV-SI***-00GM and MV-SI***-05GM: < 550 g MV-SI***-01GM and MV-SI***-06GM: < 750 g		
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃		
Humidity	20%~95% RH non-condensing		

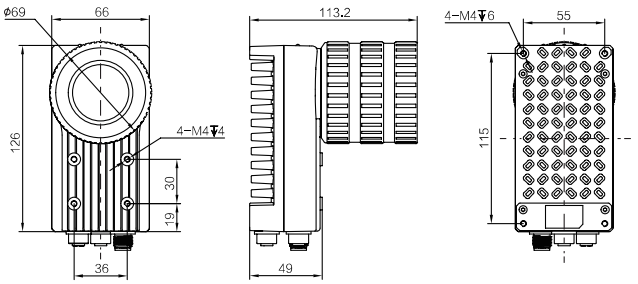
Model	MV-SI620-05GM MV-SI620-06GM	MV-SI610-05GM MV-SI610-06GM	MV-SI600-05GM MV-SI600-06GM
MP	5 MP	2 MP	1.3 MP
Sensor Description	Onsemi Python 5000 CMOS 1"	Onsemi Python 2000 CMOS 2/3"	Onsemi Python 1300 CMOS 1/2"
Shutter	Global shutter	Global shutter	Global shutter
Function Modules	Open platform		
System Architecture	Intel Atom E3845 inside, 4 cores,1.9 GHz		
Resolution	2592×2048	1920×1200	1280×1024
Pixel Size	4.8 μm×4.8 μm	4.8 μm×4.8 μm	4.8 μm×4.8 μm
Mono/Color	Mono		
Frame Rate	30 fps	50 fps	80 fps
Image Data Format	Mono 8		
GPIO	12 Pin IO port that includes 3 GPI inputs, 3 GPO outputs, 1 serial input and 1 serial output		
Memory Size	DDR3L memory 4 GB		
Storage Size	32 GB SSD		
Shutter Mode	Supporting automatic exposure, manual exposure, one-click exposure and other modes.		
Power Consumption	MV-SI620-05GM: < 15.0 W@24 VDC MV-SI620-06GM: < 34.0 W@24 VDC	MV-SI610-05GM: < 11.0 W@24 VDC MV-SI610-06GM: < 28.0 W@24 VDC	MV-SI600-05GM: < 11.0 W@24 VDC MV-SI600-06GM: < 24.0 W@24 VDC
Power Supply Mode	Power supply voltage range is 9~24 VDC		
Lens Mount	C-mount		
Camera Control	Smart MVS		
IP Grade	IP67 (in the case of correct installation of appropriate lens cover)		
Light sources and Lens hood Optical interface/USB interface	MV-SI***-00GM does not include light source and lens hood, but includes external optical interface MV-SI***-01GM includes light source and lens hood and external optical interface MV-SI***-05GM does not include light source and lens hood, but includes USB port expansion output MV-SI***-06GM includes light source, lens hood and USB port expansion output		
Size	MV-SI***-00GM and MV-SI***-05GM: 126 mm*66 mm*60.5 mm MV-SI***-01GM and MV-SI***-06GM: 126 mm*66 mm*113.2 mm		
Weight	MV-SI***-00GM and MV-SI***-05GM: < 550 g MV-SI***-01GM and MV-SI***-06GM: < 750 g		
Temperature	Working temperature 0~ 50℃ , storage temperature -30~70℃		
Humidity	20%~95% RH non-condensing		

Dimension (unit: mm)

MV-SI***-00GM; MV-SI***-05GM



MV-SI***-01GM; MV-SI***-06GM

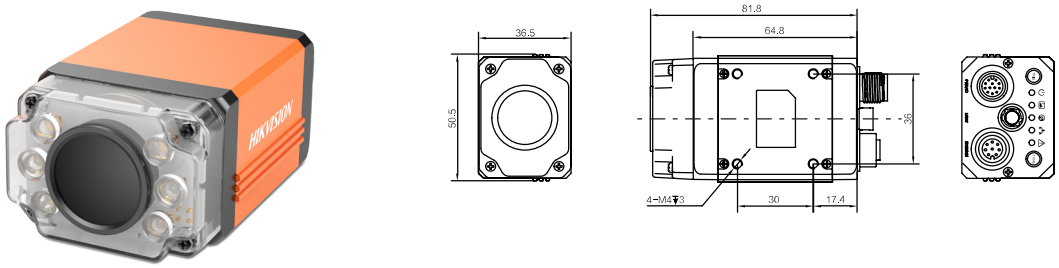


VPU Platform Smart Camera

Key Features

- Movidius VPU platform for parallel high-speed image processing
- Embedded code reading and template matching algorithm, below barcode types can be read efficiently
  1D Codes: Code 39, Code 128, and Codabar, etc; 2D Codes: QR code, Micro QR, etc.
- Efficient algorithm performance can deal with situation of dirty, defect, low contrast, etc.
- GigE interface, with the maximum transmission distance of 100m (without relay)
- Embedded aviation connectors, rich IO interface, can access multiple input signals and output signals
- Multiple trigger modes (single-frame trigger, multiple-frame trigger, video trigger), enrich customer application
- Multi-indicator lights for debugging process and display performance
- Support multiple sets of user parameters to save, load and switch
- C-mount and M12 lens optional
- Optimized design of light source lens cover to ensure uniform lighting area
- With IP65 protection, it meets the requirements of strict industrial environment
- CE, FCC, RoHS certification

Dimension (unit: mm)



Specs

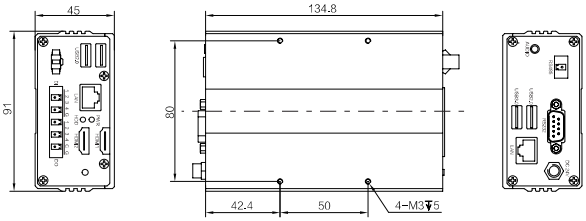
Model	MV-SM412-00GM
MP	1.3 MP
Sensor Description	1/2" Global shutter CMOS
Function Modules	Template match, Code reading (1D Codes: Code 39, Code 128, and Codabar, etc; 2D Codes: QR code, Micro QR, etc.)
System Architecture	Movidius VPU
Resolution	1280*1024
Pixel Size	4.8 μm×4.8 μm
Frame Rate	60 fps
Mono/Color	Mono
Image Data Format	Mono 8
GPIO	12 Pin IO port that includes 3 GPI inputs,3 GPO outputs, 1 serial input and 1 serial output
Shutter Mode	Supporting automatic exposure, manual exposure, one-click exposure and other modes.
Power Consumption	Without Internal Light: 4.6 W@24 VDC Lighting Duration 1ms: 5.7 W@24 VDC
Power Supply Mode	Power supply voltage range is 9~24 VDC
Size	81.8 mm * 50.5 mm * 36.5 mm
Weight	<90 g
Lens Mount	C-mount, M12-mount
Temperature	Working temperature -20~ 50℃ , storage temperature -30~70℃
Humidity	20%~95% RH non-condensing
Software	Smart MVS
IP Grade	IP65

Vision Box

Key Features

- On-board Intel E3845SoC, 1.91 GHz CPU, providing more than 200% CPU and 350% GPU performance of the last generation
- Gen7 GPU, optimizing the image processing algorithms to improve image processing performance
- Ultra-compact structural design, suitable for the requirements in industrial occasions
- 4 GB DDR3L memory, optional SSD capacity
- -10 °C to +50 °C fanless working temperature
- 2 Intel-chip GigE ports with enhanced anti-surge design
- Provide high level protection, ensuring the stable access for machine vision camera
- 2 independent HDMI display outputs
- Optional model which has light source control interface, that can supply external light source power
- CE, FCC, RoHS certification

Dimension (unit: mm)



Specs

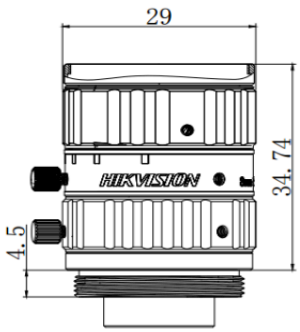
Model	MV-VB2100-032G	MV-VB2100-120G	MV-VB2110-120G
Processor	Intel E3845, quad-core 1.91 GHz		
Memory	4GB DDR3L-1333		
Image/Video	Integrated Gen 7 GPU Various video decoding with hardware acceleration H.264 video coding with hardware acceleration		
Display	2×HDMI ports, Independent display output,Support max resolution 2560 × 1600		
Ethernet Ports	2×Intel i210 GigE controllers 2×RJ45 self-adaptive GigE visions (10-1000 Mb/s) Enhanced anti-surge and anti-lightning protection		
Storage	32GB SSD	120GB SSD	120GB SSD
USB	1 × USB 3.0 host port 1 × Composite ports (USB 3.0 client+ USB 2.0 host) 2 × USB 2.0 host ports		
Serial Interface	1× half-duplex RS485 port (non-isolated) 1× RS232		
GPIO	8 × GPIO(4 inputs, 4 outputs)		
Optical Interface	Not supporting		Supporting (Voltage control, output voltage range: 0-24 VDC, the maximum output power: 24 W)
Audio	HDA stereo Line-out and mono Mic-in		
Power Supply	DC 24 V/1A		
Size	134.8 mm (L)×91 mm (W)×45 mm (H)		
Power Consumption	Total power consumption ≤12 W		
Operating Temperature	—10-50℃ , no air flow		
Operating System	Win7, Win8, Linux		

FA LENS

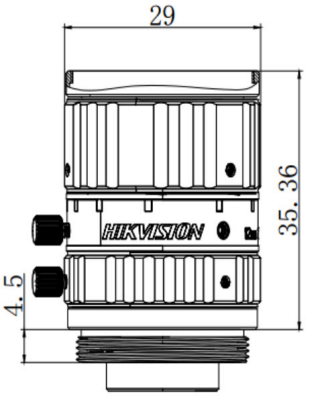
1/1.8" FA Lens

Key Features

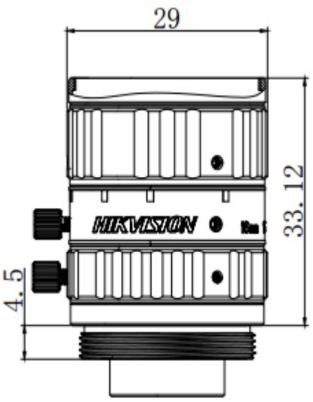
- Ultra high performance compact lens
- Higher relative illuminate rate, low distortion
- 1/1.8", can work with 6 megapixel camera
- Excellent performance at a wider range of working distance



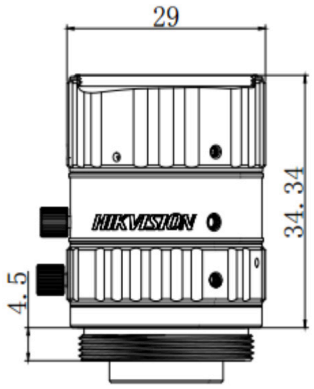
Model		MVL-HF0828M-6MP
Focal Length (mm)		8
F.No		2.8
Image Size (mm)		1/1.8"
Angle (H x V)	1/1.8"	49.3°x 34.0°
Distortion		-0.03%
Minimum Object Distance (m)		0.1
Filter Thread (mm)		M27*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



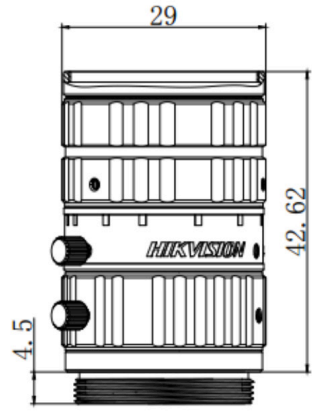
Model		MVL-HF1228M-6MP
Focal Length (mm)		12
F.No		2.8
Image Size (mm)		1/1.8"
Angle (H x V)	1/1.8"	34.4°x 23.4°
Distortion		-0.12%
Minimum Object Distance (m)		0.1
Filter Thread (mm)		M27*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



Model		MVL-HF1628M-6MP
Focal Length (mm)		16
F.No		2.8
Image Size (mm)		1/1.8"
Angle (H x V)	1/1.8"	25.7°x 17.5°
Distortion		-0.08%
Minimum Object Distance (m)		0.1
Filter Thread (mm)		M27*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



Model		MVL-HF2528M-6MP
Focal Length (mm)		25
F.No		2.8
Image Size (mm)		1/1.8"
Angle (H x V)	1/1.8"	16.35°x 10.96°
Distortion		-0.02%
Minimum Object Distance (m)		0.1
Filter Thread (mm)		M25.5*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C

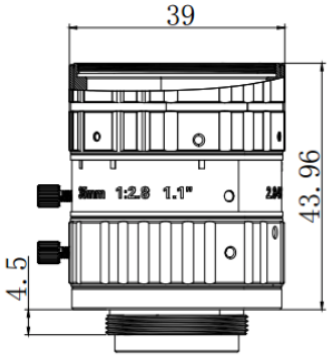


Model		MVL-HF3528M-6MP
Focal Length (mm)		35
F.No		2.8
Image Size (mm)		1/1.8"
Angle (H x V)	1/1.8"	11.3°x 7.6°
Distortion		-0.02%
Minimum Object Distance (m)		0.15
Filter Thread (mm)		M27*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C

1.1" FA Lens

Key Features

- Ultra high performance compact lens
- Higher relative illuminate rate, low distortion
- 1.1", can work with 12 megapixel camera
- Excellent performance at a wider range of working distance

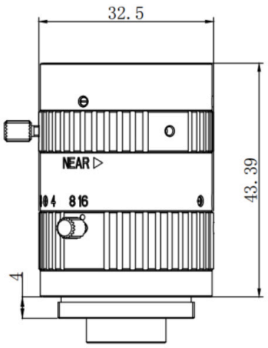


Model		MVL-KF3528M-12MP
Focal Length (mm)		35
F.No		2.8
Image Size (mm)		1.1"
Angle (H x V)	1/1.1"	21.4°x 15.9°
Distortion		-0.02%
Minimum Object Distance (m)		0.2
Filter Thread (mm)		M35.5*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C

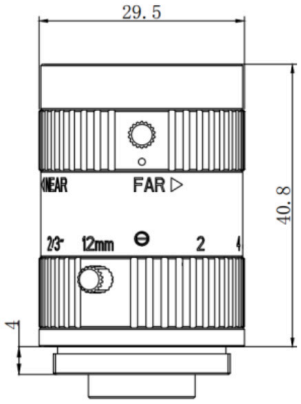
2/3" FA Lens

Key Features

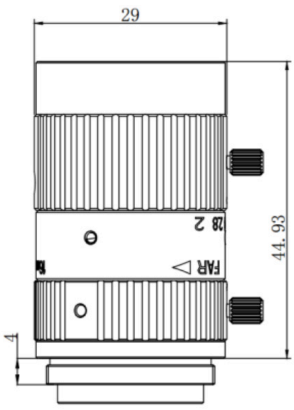
- High performance compact lens
- Low distortion
- 2/3", can work with 5 megapixel camera



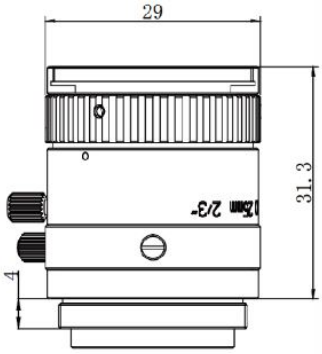
Model		MVL-MF0824M-5MP
Focal Length (mm)		8
F.No		2.4
Image Size (mm)		2/3"
Angle (H x V)	2/3"	57.6°x 44.8°
Distortion		-0.41%
Minimum Object Distance (m)		0.1
Filter Thread (mm)		M30.5*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



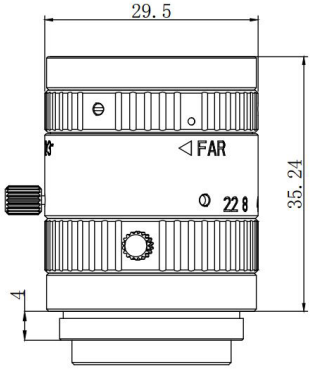
Model		MVL-MF1220M-5MP
Focal Length (mm)		12
F.No		2
Image Size (mm)		2/3"
Angle (H x V)	2/3"	39.88°x 30.37°
Distortion		-0.21%
Minimum Object Distance (m)		0.1
Filter Thread (mm)		-
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



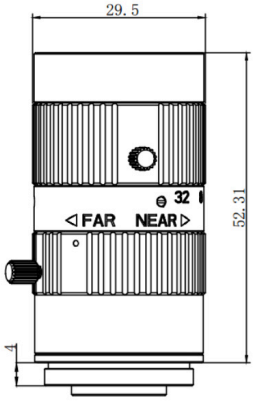
Model		MVL-MF1620M-5MP
Focal Length (mm)		16
F.No		2
Image Size (mm)		2/3"
Angle (H x V)	2/3"	29.99°x 22.74°
Distortion		-0.09%
Minimum Object Distance (m)		0.2
Filter Thread (mm)		M27*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



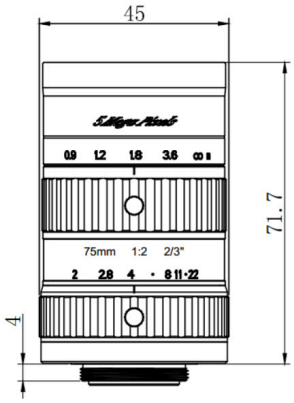
Model		MVL-MF2520M-5MP
Focal Length (mm)		25
F.No		2
Image Size (mm)		2/3"
Angle (H x V)	2/3"	18.82°x 14.08°
Distortion		-0.14%
Minimum Object Distance (m)		0.2
Filter Thread (mm)		M27*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



Model		MVL-MF3520M-5MP
Focal Length (mm)		35
F.No		2
Image Size (mm)		2/3"
Angle (H x V)	2/3"	14.68°x 11.03°
Distortion		-0.10%
Minimum Object Distance (m)		0.2
Filter Thread (mm)		M27*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



Model		MVL-MF5028M-5MP
Focal Length (mm)		50
F.No		2.8
Image Size (mm)		2/3"
Angle (H x V)	2/3"	10.06°x 7.55°
Distortion		-0.05%
Minimum Object Distance (m)		0.4
Filter Thread (mm)		M27*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C

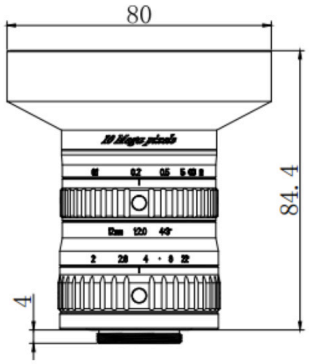


Model		MA7520M-5MP
Focal Length (mm)		75
F.No		2
Image Size (mm)		2/3"
Angle (H x V)	2/3"	6.7°x 5.0°
Distortion		0.02%
Minimum Object Distance (m)		0.9
Filter Thread (mm)		M40.5*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C

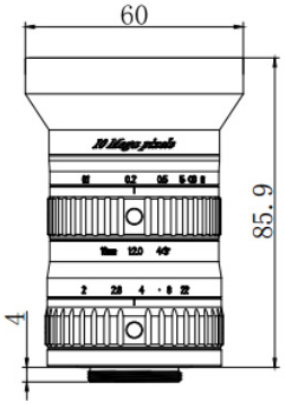
4/3" FA Lens

Key Features

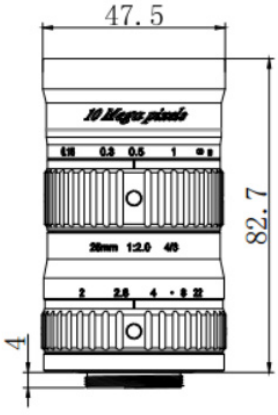
- High resolution
- Low distortion
- 4/3", can work with 10 megapixel camera
- Perfect combination of large image size of φ23mm and C-Mount design



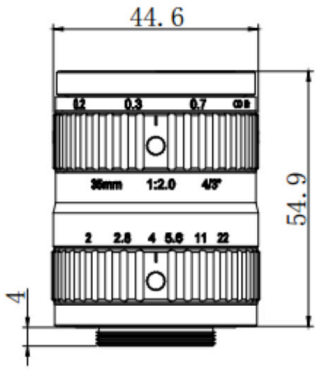
Model		SA1220M-10MP
Focal Length (mm)		12
F.No		2
Image Size (mm)		4/3"
Angle (H x V)	4/3"	75.5°x 61.1°
Distortion		-2.40%
Minimum Object Distance (m)		0.15
Filter Thread (mm)		M77*P0.75
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



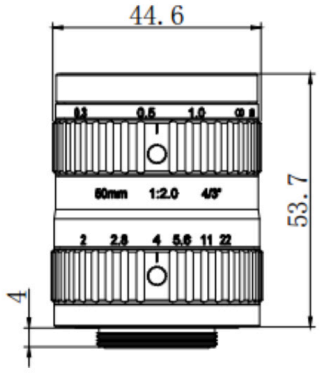
Model		SA1620M-10MP
Focal Length (mm)		16
F.No		2
Image Size (mm)		4/3"
Angle (H x V)	4/3"	60.9°x 47.3°
Distortion		-2.81%
Minimum Object Distance (m)		0.1
Filter Thread (mm)		M58*P0.75
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



Model		SA2520M-10MP
Focal Length (mm)		25
F.No		2
Image Size (mm)		4/3"
Angle (H x V)	4/3"	40.6°x 31.0°
Distortion		-0.66%
Minimum Object Distance (m)		0.15
Filter Thread (mm)		M46*P0.75
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



Model		SA3520M-10MP
Focal Length (mm)		35
F.No		2
Image Size (mm)		4/3"
Angle (H x V)	4/3"	29.6°x 22.4°
Distortion		-0.56%
Minimum Object Distance (m)		0.2
Filter Thread (mm)		M40.5*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C



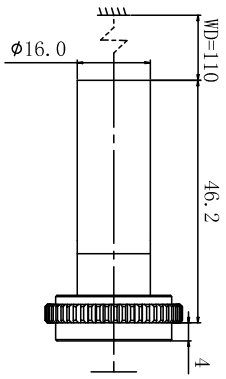
Model		SA5020M-10MP
Focal Length (mm)		50
F.No		2
Image Size (mm)		4/3"
Angle (H x V)	4/3"	20.9°x 15.7°
Distortion		-0.14%
Minimum Object Distance (m)		0.3
Filter Thread (mm)		M40.5*P0.5
Iris Control		Manual
Focus Control		Manual
Mount		C-Mount
Working Temperature Range		-10°C ~ +50°C

TELECENTRIC LENS

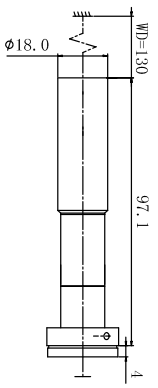
Standard Telecentric Lens

Key Features

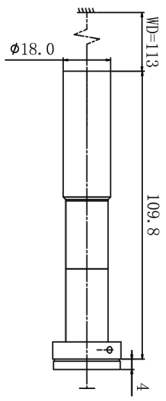
- Ultra compact design
- Low distortion
- 1/2", can work with 1.3 megapixel camera



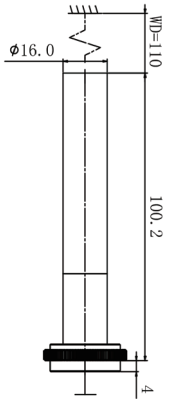
Model	MVL-HY-05-110
Magnification	0.5
WD	110
DOF	2.9
Object NA	0.0132
Resolution	25.4 μm
F.No	18.8
TV Distortion	0.50%
Telecentricity	≤0.1 °
FOV (D*H*V)	16.00*12.80*9.60
Max Image Circle	1/2"
TTL	46.2
Mount	C-Mount



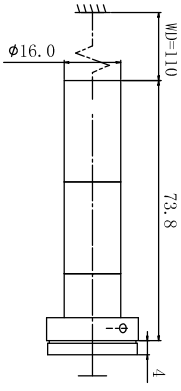
Model	MVL-HY-08-130
Magnification	0.8
WD	130
DOF	2.9
Object NA	0.0168
Resolution	20 μm
F.No	23.5
TV Distortion	0.10%
Telecentricity	≤0.1 °
FOV (D*H*V)	10.00*8.00*6.00
Max Image Circle	1/2"
TTL	97.1
Mount	C-Mount



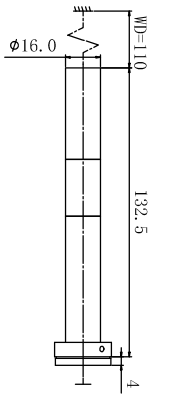
Model	MVL-HY-1-110
Magnification	1
WD	110
DOF	1.5
Object NA	0.0255
Resolution	13.2 μm
F.No	19.7
TV Distortion	0.10%
Telecentricity	≤0.1 °
FOV (D*H*V)	8.00*6.40*4.80
Max Image Circle	1/2"
TTL	109.8
Mount	C-Mount



Model	MVL-HY-15-110
Magnification	1.5
WD	110
DOF	0.4
Object NA	0.056
Resolution	6 μm
F.No	13.2
TV Distortion	0.10%
Telecentricity	≤0.1 °
FOV (D*H*V)	5.33*4.27*3.20
Max Image Circle	1/2"
TTL	100.2
Mount	C-Mount



Model	MVL-HY-2-110
Magnification	2
WD	110
DOF	0.7
Object NA	0.026
Resolution	12.9 μm
F.No	31.7
TV Distortion	0.20%
Telecentricity	≤0.1 °
FOV (D*H*V)	4.00*3.20*2.40
Max Image Circle	1/2"
TTL	73.8
Mount	C-Mount

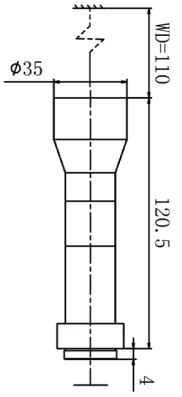


Model	MVL-HY-4-110
Magnification	4
WD	110
DOF	0.18
Object NA	0.055
Resolution	6.1 μm
F.No	36.3
TV Distortion	0.10%
Telecentricity	≤0.1 °
FOV (D*H*V)	2.00*1.60*1.20
Max Image Circle	1/2"
TTL	132.5
Mount	C-Mount

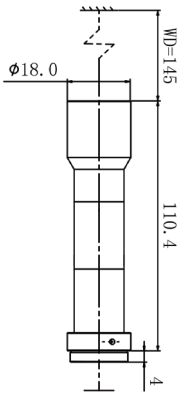
High Resolution Telecentric Lens

Key Features

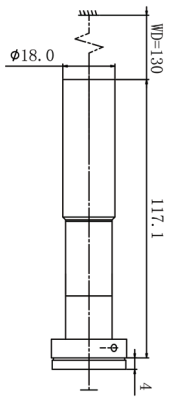
- High resolution
- Low distortion
- 2/3", can work with 5 megapixel camera



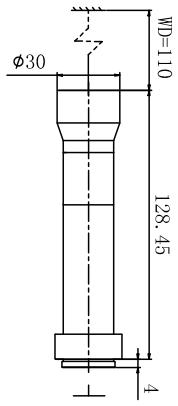
Model	MVL-MY-05-110-MP
Magnification	0.5
WD	110
DOF	2.97
Object NA	0.027
Resolution	12 μm
F.No	9.3
TV Distortion	0.05%
Telecentricity	≤0.1 °
FOV (D*H*V)	22.00*17.60*13.20
Max Image Circle	2/3"
TTL	120.5
Mount	C-Mount



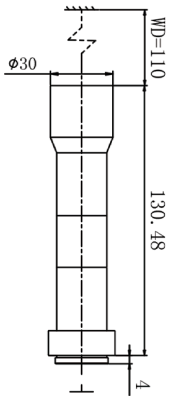
Model	MVL-MY-07-145-MP
Magnification	0.7
WD	145
DOF	3.2
Object NA	0.0234
Resolution	14.3 μm
F.No	11.2
TV Distortion	0.10%
Telecentricity	≤0.1 °
FOV (D*H*V)	15.71*12.57*9.43
Max Image Circle	2/3"
TTL	110.4
Mount	C-Mount



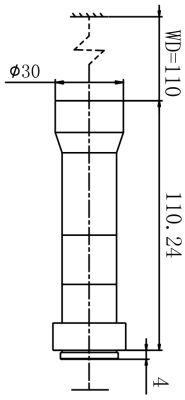
Model	MVL-MY-08-130-MP
Magnification	0.8
WD	130
DOF	1.4
Object NA	0.0356
Resolution	9.4 μm
F.No	11.2
TV Distortion	0.10%
Telecentricity	≤0.1 °
FOV (D*H*V)	13.75*11.00*8.25
Max Image Circle	2/3"
TTL	117.1
Mount	C-Mount



Model	MVL-MY-1-110-MP
Magnification	1
WD	110
DOF	0.88
Object NA	0.045
Resolution	7.4 μm
F.No	11
TV Distortion	0.00%
Telecentricity	≤0.1 °
FOV (D*H*V)	11.00*8.80*6.60
Max Image Circle	2/3"
TTL	128.45
Mount	C-Mount



Model	MVL-MY-2-110-MP
Magnification	2
WD	110
DOF	0.27
Object NA	0.074
Resolution	4.5 μm
F.No	13.6
TV Distortion	0.05%
Telecentricity	≤0.1 °
FOV (D*H*V)	5.50*4.40*3.30
Max Image Circle	2/3"
TTL	130.48
Mount	C-Mount

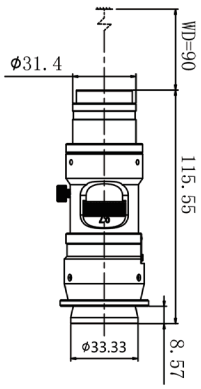


Model	MVL-MY-4-110-MP
Magnification	4
WD	110
DOF	0.11
Object NA	0.009
Resolution	3.7 μm
F.No	22
TV Distortion	0.05%
Telecentricity	≤0.1 °
FOV (D*H*V)	2.75*2.20*1.65
Max Image Circle	2/3"
TTL	110.24
Mount	C-Mount

Zoom Telecentric Lens

Key Features

- High precision continuous zoom
- Low distortion, high resolution
- 2/3", can work with 5 megapixel camera



Model	MVL-MYZ0745-MP		
Magnification	0.7-4.5		
	0.7	2.5	4.5
WD	90	90	90
DOF	1.9	0.23	0.1
Object NA	0.03	0.07	0.085
F.No	11.7	17.9	26.5
Resolution	11.8	4.79	3.95
TV Distortion	0.019%	0.004%	0.002%
FOV (D*H*V)	15.71*12.57*9.43	4.4*3.52*2.64	2.44*1.96*1.47
Max Image Circle	2/3"		
Mount	C-Mount		
Zoom Mode	Manual		

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