HIKVISION®

NEW VISION NEW WORLDS

HIKVISION MACHINE VISION PRODUCT CATALOG

www.hikrobotics.com

SEDECO
IMAGING

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HIKVISION®

Hikvision is the world's leading provider of innovative video surveillance products and solutions. Featuring the industry's strongest R&D workforce, Hikvision advances core technologies of audio and video encoding, video image processing, and related data storage, as well as forward-looking technologies such as cloud computing, big data, and deep learning. In addition to the video surveillance industry, Hikvision extends its reach to smart home tech, industrial automation, and automotive electronics industries to achieve its long-term vision. Always creating value for its customers, Hikvision operates 33 regional subsidiaries all over the world to achieve a truly global presence.

01 AS AN INDUSTRY PIONEER

- Topped the world's largest supplier of CCTV & Video Surveillance Equipment for six consecutive years (2011-2016) (Reference: iHS)
- Retains No.1 market share position in virtually all individual equipment categories, including network cameras, analog and HD CCTV cameras, DVR/NVRs, and video encoders
- Ranks No.1 in the a&s 'Security 50 Ranking and Reports 2017' for the second consecutive year

02 TOP-TIER ENGINEERS AND R&D TEAMS

- More than 25,000 employees, over 10,000 of which are R&D engineers Invests 7-8% annual sales revenue to research and development for continued product innovation
- Established a complete, multi-level R&D system, includes every operation from research to design, development, testing, technical support, and service
- Operates R&D teams globally, including Montreal, Canada and Silicon Valley, California in North America, as well as Beijing, Shanghai, Chongqing, and Wuhan in China

03 EXEMPLARY QUALITY CONTROL AND MANUFACTURING FACILITIES

- Three manufacturing facilities: Hangzhou, more than 100,000 square meters; Tonglu, 350,000 square meters; Chongqing, more than 10,000 square meters
- Uses fully automatic SMT equipment, clean rooms, and mobile robots for intelligent warehouse management, and meets all UL, CUL, FCC, CE, CCC, C-tick, RoHS, WEEE, and ISO standards

04 GLOBAL SALES NETWORKS AND SERVICES

- Established one of the most extensive marketing networks in the industry, comprising 33 overseas regional subsidiaries and 35 branches throughout China mainland, ensuring quick responses to the needs of customers, users and partners
- Hikvision products serve a diverse set of vertical markets covering more than 100 countries, such as the Philadelphia Recreation center in the USA, the safe city project in Seoul, South Korea, Dun Laoghaire Harbour in Ireland, Milan's Malpensa Airport, and the Bank of India, etc.

World map with location labels: Canada, Netherlands, Qatar, UZ, Hong Kong, Tailand, Czech Republic, Kazakhstan, Korea, UK, Poland, Russia, UAE, Colombia, Italy, Hungary, Australia, US, Brazil, France, Hungary, Saudi Arabia, Kenya, South Africa, Turkey, India, Malaysia, Singapore, New Zealand

HIKVISION

Hangzhou Hikrobot Technology Co.,Ltd.

Hangzhou Hikrobot Technology Co., Ltd. (Hikrobot) originated from the Machine Vision business unit of Hikvision, Hikrobot has become a global developer and supplier of mobile robot, machine vision products and algorithm platforms. It is committed to continuous intelligence of robots and leadership in smart manufacturing.

Hikrobot has nearly 1,000 employees across the world (by May 2018), of which about 800 are research staff. Meanwhile, it also shares technology with more than 10 thousand research fellows of Hikvision and Hikvision Research Institute. Supported by Hikvision's accumulated technology in image sensing, AI, and big data analysis, Hikrobot develops business areas including Mobile Robot, Machine Vision, and Industrial Unmanned Aerial Vehicle (UAV).

Machine Vision

With effort in industrial vision sensing application and underlying algorithm software and hardware technology, the company provides customers with leading machine vision products and algorithm platforms. The products cover industrial cameras, lenses, visual software platforms, vision boxes, and industrial smart cameras. All products are tested by the EMVA1288 standard and verification to ensure that the highest quality images, and through rigorous EMC testing, safety testing and environmental reliability testing. Relying on mature DFMEA technology, Hikrobot ensure that the use of each product with high precision, high efficiency and high environmental performance. The machine vision products are widely used in manufacturing, electronic semiconductors, logistics, and other industrial automation sectors, to realize positioning guidance, measurement, defect detection, code reading, and OCR. Offering stable, reliable operation and the potential for customization, they help users to significantly improve productivity and accuracy.

Mobile Robot

With focus on core robotics technology, Hikrobot serves customers with leading intelligent mobile robots and systems, which are widely applied in warehouse, production line, and sorting center. In addition to its independently developed intelligent warehousing robot system, Hikrobot has also introduced intelligent carrying robot that automatically connect to the production line, intelligent sorting robot for sorting small packages, and intelligent parking robot that significantly increase parking space utilization based on mobile robots and mature application of its core technology. These products are widely applied in manufacturing, automobile manufacturing, e-commerce logistics, third-party logistics, retail, food and beverages, photovoltaic industry, medical care, tobacco, and clothing. The company has set its course to serve intelligent manufacturing and in-plant logistics intelligent solutions.

Unmanned Aerial Vehicle

Based on rich experience of video technology, Hikrobot has independently developed Industrial UAVs and UAV jammers for low-attitude airspace security, and launched an extensive range of products featuring security-based solutions specifically for the industry. These products are widely used in fire prevention, emergency commanding, anti-terrorist operation, traffic management, facility inspection, and activity security.

Area Scan Camera

■ CE Series GigE Area Scan Camera

GigE VISION

Key Features

- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR polling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free run mode
- Support user defined 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 100m (without repeater)
- 128 MB on-board buffer, which enables to cache multiple pictures for data transmission or image retransmission in Burst mode
- Compatible with GigE Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
- CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CE003-20GM	PYTHON	CMOS	1/4"	4.8μm	Global	640*480	173fps	GigE	√	
MV-CE003-20GC	PYTHON	CMOS	1/4"	4.8μm	Global	640*480	173fps	GigE		√
MV-CE013-50GM	RJ33	CCD	1/3"	3.75μm	Global	1280*960	30fps	GigE	√	
MV-CE013-50GC	RJ33	CCD	1/3"	3.75μm	Global	1280*960	30fps	GigE		√
MV-CE050-30GM	MT9P031	CMOS	1/2.5"	2.2μm	Rolling	2592*1944	14fps	GigE	√	
MV-CE100-30GM	MT9J003	CMOS	1/2.3"	1.67μm	Rolling	3840*2748	7fps	GigE	√	
MV-CE100-30GC	MT9J003	CMOS	1/2.3"	1.67μm	Rolling	3840*2748	7fps	GigE		√
MV-CE100-31GM	MT9J003	CMOS	1/2.3"	1.67μm	Rolling	3840*2748	11fps	GigE	√	
MV-CE120-10GM	IMX226	CMOS	1/1.7"	1.85μm	Rolling	4024*3036	9.6fps	GigE	√	
MV-CE120-10GC	IMX226	CMOS	1/1.7"	1.85μm	Rolling	4024*3036	9.6fps	GigE		√
MV-CE200-10GM	IMX183	CMOS	1"	2.4μm	Rolling	5472*3648	6fps	GigE	√	
MV-CE200-10GC	IMX183	CMOS	1"	2.4μm	Rolling	5472*3648	6fps	GigE		√

Model / Parameter	MV-CE003-20GM/C	MV-CE013-50GM/C	MV-CE050-30GM
Exposure Range	42μs~10sec	34μs~1sec	34μs~1sec
Dynamic Range	60dB		
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer GR 8/10/10p/12/12p	Mono 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<3.0W@12VDC	<2.6W@12VDC	<2.75W@12VDC
Power Supply	Power supply voltage 5~15V, PoE supported		
Dimension	29mm*29mm*42mm		
Weight	<68g		
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation		

Model / Parameter	MV-CE100-30GM/C MV-CE100-31GM	MV-CE120-10GM/C	MV-CE200-10GM/C
Exposure Range	30GM/C: 50μs~2sec / 31GM: 26μs~1sec	34μs~2sec	46μs~2.5sec
Dynamic Range	65dB		
Pixel Format	Mono 8/10/10p/12/12p Bayer GR 8/10/10p/12/12p / Mono 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer GB 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer GB 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<2.6W@12VDC	<3.24W@12VDC	<3.94W@12VDC
Power Supply	Power supply voltage 5~15V, PoE supported		
Dimension	29mm*29mm*42mm	29mm*29mm*42mm	44mm*29mm*59mm
Weight	<68g	<68g	<86g
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation		

29mm · 42mm · 29mm

29*29*42 structure

44mm · 59mm · 29mm

44*29*59 structure

■ CE Series USB3.0 Area Scan Camera

USB3 VISION ™

Key Features

• Adopt high performace cost ratio sensors, ideal image effect
• Global Reset mode available for Rolling Shutter devices, can be used for acquiring non-dragging images of moving objects with the help of strobescopic LED light source
• Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
• Support hardware trigger, software trigger and free run mode
• Support user defined ROI, to improve frame rate by reducing the resolution, and support mirror output
• Compatible with USB3.0 Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
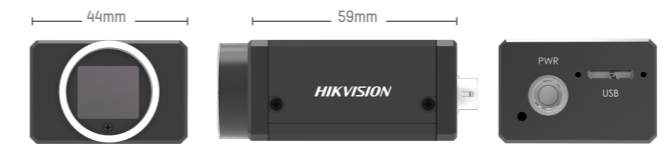• CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CE013-50UM	RJ33	CCD	1/3"	3.75μm	Global	1280*960	30fps	USB3.0	√	
MV-CE013-50UC	RJ33	CCD	1/3"	3.75μm	Global	1280*960	30fps	USB3.0		√
MV-CE013-80UM	SS	CMOS	1/2.7"	4.0μm	Global	1280*1024	148fps	USB3.0	√	
MV-CE050-30UM	AR0521	CMOS	1/2.5"	2.2μm	Rolling	2592*1944	31fps	USB3.0	√	
MV-CE050-30UC	AR0521	CMOS	1/2.5"	2.2μm	Rolling	2592*1944	31fps	USB3.0		√
MV-CE060-10UM	IMX178	CMOS	1/1.8"	2.4μm	Rolling	3072*2048	42.7fps	USB3.0	√	
MV-CE060-10UC	IMX178	CMOS	1/1.8"	2.4μm	Rolling	3072*2048	42.7fps	USB3.0		√
MV-CE200-10UM	IMX183	CMOS	1"	2.4μm	Rolling	5472*3648	14fps	USB3.0	√	
MV-CE200-10UC	IMX183	CMOS	1"	2.4μm	Rolling	5472*3648	14fps	USB3.0		√

Model Parameter	MV-CE013-50UM/C	MV-CE013-80UM	MV-CE050-30UM/C
Exposure Range	10μs-1sec	30μs-10sec	M:28μs-1sec C:16μs-1sec
Dynamic Range	60dB		
Pixel Format	Mono 8/10/10p/12/12p Bayer GR 8/10/10p/12/12p	Mono 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer GR 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<2.7W@12VDC	<1.93W@12VDC	<2.5W@12VDC
Power Supply	Power supply voltage 5-15V, power over USB3.0 supported		
Dimension	29mm*29mm*30mm		
Weight	<56g		
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0-50℃, storage temperature -30~70℃, 20%~80%RH without condensation		

Model Parameter	MV-CE060-10UM/C	MV-CE200-10UM/C
Exposure Range	M:16μs-1sec	M:19μs-1sec
	C:24μs-1sec	C:44μs-1sec
Dynamic Range	65dB	
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer GB 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O ,including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1	
Power Consumption	<2.7W@12VDC	<2.83W@12VDC
Power Supply	Power supply voltage 5-15V, power over USB3.0 supported	
Dimension	29mm*29mm*30mm	44mm*29mm*59mm
Weight	<56g	<90g
Lens Mount	C-mount	
Temperature/Humidity	Working temperature 0~50℃ , storage temperature -30~70℃ , 20%~80%RH without condensation	

29*29*30 structure

44*29*59 structure

■ CA Series GigE Area Scan Camera

GiGE®
VISION

Key Features

- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR polling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free run mode
- Support user defined 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 100m (without repeater)
- 128 MB on-board buffer, which enables to cache multiple pictures for data transmission or image retransmission in Burst mode
- Compatible with GigE Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
- CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CA003-20GM	PYTHON 300	CMOS	1/4"	4.8μm	Global	672*512	300fps	GigE	√	
MV-CA003-20GC	PYTHON 300	CMOS	1/4"	4.8μm	Global	672*512	300fps	GigE		√
MV-CA003-50GM	RJ33	CCD	1/3"	7.4μm	Global	640*480	200fps	GigE	√	
MV-CA003-50GC	RJ33	CCD	1/3"	7.4μm	Global	640*480	200fps	GigE		√
MV-CA004-10GM	IMX287	CMOS	1/2.9"	6.9μm	Global	720*540	321.9fps	GigE	√	
MV-CA004-10GC	IMX287	CMOS	1/2.9"	6.9μm	Global	720*540	321.9fps	GigE		√
MV-CA005-20GM	PYTHON 480	CMOS	1/4"	4.8μm	Global	808*608	116fps	GigE	√	
MV-CA005-20GC	PYTHON 480	CMOS	1/4"	4.8μm	Global	808*608	116fps	GigE		√
MV-CA013-20GM	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	90fps	GigE	√	
MV-CA013-20GC	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	90fps	GigE		√
MV-CA013-20GN	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	90fps	GigE	√	
MV-CA013-70GM	E2V	CMOS	1"	10μm	Global	1280*1024	49fps	GigE	√	
MV-CA020-20GM	PYTHON 2000	CMOS	2/3"	4.8μm	Global	1920*1200	51fps	GigE	√	
MV-CA020-20GC	PYTHON 2000	CMOS	2/3"	4.8μm	Global	1920*1200	51fps	GigE		√
MV-CA023-10GM	IMX249	CMOS	1/1.2"	5.86μm	Global	1920*1200	41fps	GigE	√	
MV-CA023-10GC	IMX249	CMOS	1/1.2"	5.86μm	Global	1920*1200	41fps	GigE		√
MV-CA032-10GM	IMX265	CMOS	1/1.8"	3.45μm	Global	2048*1536	37.5fps	GigE	√	
MV-CA032-10GC	IMX265	CMOS	1/1.8"	3.45μm	Global	2048*1536	37.5fps	GigE		√
MV-CA050-10GM	IMX264	CMOS	2/3"	3.45μm	Global	2448*2048	23.5fps	GigE	√	
MV-CA050-10GC	IMX264	CMOS	2/3"	3.45μm	Global	2448*2048	23.5fps	GigE		√
MV-CA050-20GM	PYTHON 5000	CMOS	1"	4.8μm	Global	2592*2048	22fps	GigE	√	
MV-CA050-20GC	PYTHON 5000	CMOS	1"	4.8μm	Global	2592*2048	22fps	GigE		√
MV-CA050-20GN	PYTHON 5000	CMOS	1"	4.8μm	Global	2592*2048	22fps	GigE	√	
MV-CA060-11GM	IMX178	CMOS	1/1.8"	2.4μm	Rolling	3072*2048	17fps	GigE	√	
MV-CA060-10GC	IMX178	CMOS	1/1.8"	2.4μm	Rolling	3072*2048	17fps	GigE		√

Notice: * will be released soon, N means the NIR model

Model Parameter	MV-CA003-20GM/C	MV-CA003-50GM/C	MV-CA004-10GM/C
Exposure Range	M: 49μs~10sec	20μs~1sec	1us~1sec
	C: 40μs~10sec		
Dynamic Range	60dB	52dB	74dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer GB 8/10/10p/12/12p	Mono8/10/10p/12/12p Bayer RG 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<2.6W@12VDC	<3.6W@12VDC	<3.1W@12VDC
Power Supply	Power supply voltage 5~15V, PoE supported	Power supply voltage 5~15V, PoE supported	Power supply voltage 9~26V, PoE supported
Dimension	29mm*29mm*42mm		
Weight	<68g		
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation		

Model Parameter	MV-CA005-20GM/C	MV-CA013-20GM/C/N	MV-CA013-70GM
Exposure Range	42μs~10sec	M/N: 38μs~10sec	20μs~1sec
		C: 62μs~10sec	
Dynamic Range	60dB		73dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<3.0W@12VDC	<2.6W@12VDC	<3.72W@12VDC
Power Supply	Power supply voltage 5~15V, PoE supported		
Dimension	29mm*29mm*42mm	29mm*29mm*42mm	44mm*38.2mm*59.8mm
Weight	<68g	<68g	<140g
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation		

Model Parameter	MV-CA020-20GM/C	MV-CA023-10GM/C	MV-CA032-10GM/C
Exposure Range	59μs~1sec	40μs~10sec	50μs~10sec
Dynamic Range	60dB	70dB	73dB
Pixel Format	Mono 8/10/10p/12/12p Bayer BG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<2.9W@12VDC	<3.0W@12VDC	<3.48W@12VDC
Power Supply	Power supply voltage 5~15V, PoE supported		
Dimension	29mm*29mm*42mm		
Weight	<68g		
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation		

Parameter \ Model	MV-CA050-10GM/C	MV-CA050-20GM/C/N	MV-CA060-10GC MV-CA060-11GM
Exposure Range	34µs~10sec	65µs~10sec	27µs~2.5sec
Dynamic Range	75.4dB	60dB	65dB
Pixel Format	Mono8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer BG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p
GPIO	6-pin Hirose interface for power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<3.3W@12VDC	<3.3W@12VDC	<3.5W@12VDC
Power Supply	Power supply voltage 5~15V, PoE supported		
Dimension	29mm*29mm*42mm		
Weight	<68g		
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0~50°C, storage temperature -30~70°C, 20%~80%RH without condensation		

29*29*42 structure

44*38.2*59.8 structure

■ CA Series USB3.0 Area Scan Camera

Key Features

- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR polling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free run mode
- Support user defined ROI, to improve frame rate by reducing the resolution, and support mirror output
- Support Binning modes, which could improve camera sensitivity
- Compatible with USB3.0 Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
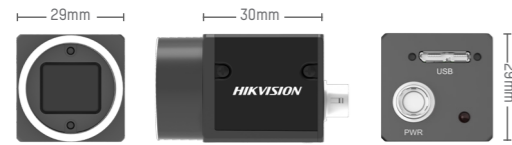- CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CA003-21UM	PYTHON 300	CMOS	1/4"	4.8µm	Global	640*480	814fps	USB3.0	√	
MV-CA003-21UC	PYTHON 300	CMOS	1/4"	4.8µm	Global	640*480	814fps	USB3.0		√
MV-CA013-21UM	PYTHON 1300	CMOS	1/2"	4.8µm	Global	1280*1024	170fps	USB3.0	√	
MV-CA013-21UC	PYTHON 1300	CMOS	1/2"	4.8µm	Global	1280*1024	90fps	USB3.0		√
MV-CA016-10UM	IMX273	CMOS	1/2.9"	3.45µm	Global	1440*1080	166fps	USB3.0	√	
MV-CA016-10UC	IMX273	CMOS	1/2.9"	3.45µm	Global	1440*1080	166fps	USB3.0		√
MV-CA023-10UM	IMX249	CMOS	1/1.2"	5.86µm	Global	1920*1200	41fps	USB3.0	√	
MV-CA023-10UC	IMX249	CMOS	1/1.2"	5.86µm	Global	1920*1200	40fps	USB3.0		√
MV-CA050-11UM	IMX264	CMOS	2/3"	3.45µm	Global	2448*2048	35fps	USB3.0	√	
MV-CA050-11UC	IMX264	CMOS	2/3"	3.45µm	Global	2448*2048	35fps	USB3.0		√
MV-CA050-20UM	PYTHON 5000	CMOS	1"	4.8µm	Global	2592*2048	60fps	USB3.0	√	
MV-CA050-20UC	PYTHON 5000	CMOS	1"	4.8µm	Global	2592*2048	30fps	USB3.0		√

Parameter \ Model	MV-CA003-21UM/C	MV-CA013-21UM/C	MV-CA016-10UM/C
Exposure Range	40µs~10sec	M: 40µs~10sec / C: 65µs~10sec	16µs~10sec
Dynamic Range	60dB	60dB	71dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p		
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<3.3W@12VDC	<3.0W@12VDC	<2.8W@12VDC
Power Supply	Power supply voltage 5~15V, power over USB3.0 supported		
Dimension	29mm*29mm*30mm		
Weight	<56g		
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0~ 50°C, storage temperature -30~70°C, 20%~80%RH without condensation		

Model Parameter	MV-CA023-10UM/C	MV-CA050-11UM/C	MV-CA050-20UM/C
Exposure Range	34μs~10sec	50μs~10sec	59μs~10sec
Dynamic Range	75.4dB	75.4dB	60dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer BG 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1		
Power Consumption	<2.52W@12VDC	<2.8W@12VDC	<3.5W@12VDC
Power Supply	Power supply voltage 5~15V, power over USB3.0 supported		
Dimension	29mm*29mm*30mm		
Weight	<56g		
Lens Mount	C-mount		
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation		

CH Series GigE Area Scan Camera

Key Features

- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR polling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free run mode
- Support user defined ROI, to improve frame rate by reducing the resolution, and support mirror output
- GigE interface, with the maximum transmission distance of 100 m (without repeater)
- 128 MB on-board buffer, which enable to cache multiple pictures for data transmission or image retransmission in Burst mode
- Compatible with GigE Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
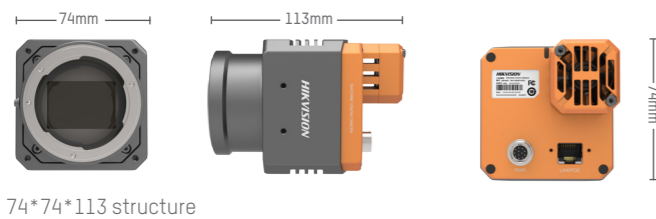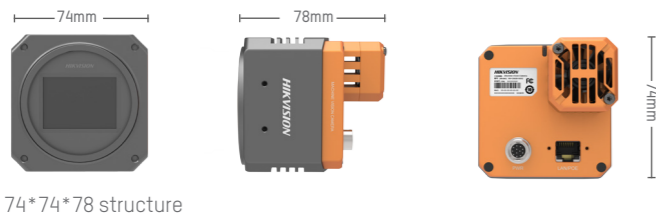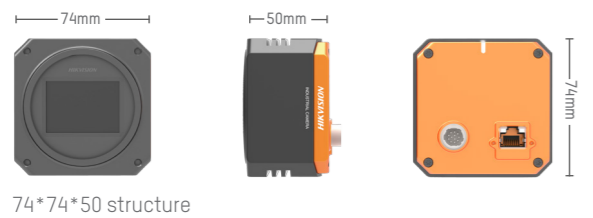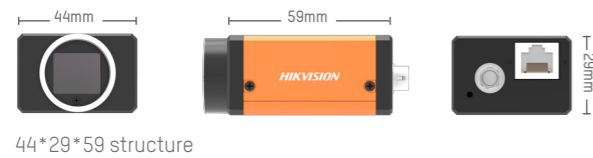- CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CH080-60GM	KAI-08051	CCD	4/3"	5.5μm	Global	3296*2472	14fps	GigE	√	
MV-CH080-60GC	KAI-08051	CCD	4/3"	5.5μm	Global	3296*2472	14fps	GigE		√
MV-CH089-10GM	IMX267	CMOS	1"	3.45μm	Global	4096*2160	13fps	GigE	√	
MV-CH089-10GC	IMX267	CMOS	1"	3.45μm	Global	4096*2160	13fps	GigE		√
MV-CH120-10GM	IMX304	CMOS	1.1"	3.45μm	Global	4096*3000	9.4fps	GigE	√	
MV-CH120-10GC	IMX304	CMOS	1.1"	3.45μm	Global	4096*3000	9.4fps	GigE		√
MV-CH290-60GM	KAI-29050	CCD	36mm*24mm	5.5μm	Global	6576*4384	4fps	GigE	√	
MV-CH290-61GM	KAI-29050	CCD	36mm*24mm	5.5μm	Global	6576*4384	4fps	GigE	√	
MV-CH290-60GC	KAI-29050	CCD	36mm*24mm	5.5μm	Global	6576*4384	4fps	GigE		√

Model Parameter	MV-CH080-60GM/C	MV-CH089-10GM/C
Exposure Range	50μs~1sec	50μs~1sec
Dynamic Range	66dB	72.8dB
Pixel Format	Mono 8/10/10p/12/12p Bayer GR 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p
GPIO	12-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1, RS232 x1, RS485 x1	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1
Power Consumption	<12W@12VDC	<3.72W@12VDC
Power Supply	Power supply 12V 2A by switching power source or an adapter	Power supply voltage 5~15V, PoE supported
Dimension	M58-mount without fan: 74mm*74mm*50mm M58-mount with fan: 74mm*74mm*78mm	44mm*29mm*59mm
Weight	M58-mount without fan: <410g M58-mount with fan: <450g	<100g
Lens Mount	M58*0.75, optical back focal length 11.48 mm, supporting C-mount or F-mount via lens adapter	C-mount
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~95%RH without condensation	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation

Parameter \ Model	MV-CH120-10GM/C	MV-CH290-60GM/C MV-CH290-61GM
Exposure Range	50µs~10sec	110µs~1sec
Dynamic Range	65dB	64dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1	12-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1, RS232 x1, RS485 x1
Power Consumption	<4.22W@12VDC	<12W@12VDC
Power Supply	Power supply voltage 5~15V, PoE supported	Power supply 12V 2A by switching power source or an adapter
Dimension	44mm*29mm*59mm	M58-mount without fan: 74mm*74mm*50mm M58-mount with fan: 74mm*74mm*78mm F-mount with fan: 74mm*74mm*113mm
Weight	<100g	M58-mount without fan: <410g M58-mount with fan: <450g F-mount with fan: <600g
Lens Mount	C-mount	F-mount, optical back focal length 46.5mm, or M58*0.75 optical back focal length 11.48mm
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation	Working temperature 0~50℃, storage temperature -30~70℃, 20%~95%RH without condensation

44*29*59 structure

74*74*50 structure

74*74*78 structure

74*74*113 structure

■ CH Series USB3.0 Area Scan Camera

Key Features

- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support HDR polling, to ensure different exposure time and gain cyclical adjustment under different light source
- Support hardware trigger, software trigger and free run mode
- Support user defined ROI, to improve frame rate by reducing the resolution, and support mirror output
- Support Binning modes, which could improve camera sensitivity
- Compatible with USB3.0 Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
- CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CH050-10UM	IMX250	CMOS	2/3"	3.45µm	Global	2448*2048	74fps	USB3.0	√	
MV-CH050-10UC *	IMX250	CMOS	2/3"	3.45µm	Global	2448*2048	74fps	USB3.0		√
MV-CH089-10UM	IMX267	CMOS	1"	3.45µm	Global	4096*2160	32.2fps	USB3.0	√	
MV-CH089-10UC	IMX267	CMOS	1"	3.45µm	Global	4096*2160	32.2fps	USB3.0		√
MV-CH120-10UM	IMX304	CMOS	1.1"	3.45µm	Global	4096*3000	23fps	USB3.0	√	
MV-CH120-10UC	IMX304	CMOS	1.1"	3.45µm	Global	4096*3000	23fps	USB3.0		√
MV-CH120-20UM *	XGS12000	CMOS	1"	3.2µm	Global	4096*3072	30fps	USB3.0	√	

Notice:* will be released soon.

Parameter \ Model	MV-CH050-10UM/C*	MV-CH089-10UM/C
Exposure Range	15µs~10sec	50µs~10sec
Dynamic Range	75.4dB	72.8dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1	
Power Consumption	<3.2W@12VDC	<3.27W@12VDC
Power Supply	Power supply voltage 9~15V, power over USB3.0 supported	Power supply voltage 5~15V, power over USB3.0 supported
Dimension	29mm*29mm*30mm	44mm*29mm*59mm
Weight	<56g	<100g
Lens Mount	C-mount	
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation	

Model Parameter	MV-CH120-10UM/C	MV-CH120-20UM *
Exposure Range	50μs~10sec	10μs~10sec
Dynamic Range	65dB	67dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1	
Power Consumption	<3.5W@12VDC	<2.3W@12VDC
Power Supply	Power supply voltage 5~15V, power over USB3.0 supported	Power supply voltage 9~26V, power over USB3.0
Dimension	44mm*29mm*59mm	
Weight	<100g	
Lens Mount	C-mount	
Temperature/Humidity	Working temperature 0~50°C, storage temperature -30~70°C, 20%~80%RH without condensation	

29*29*30 structure

44*29*59 structure

CH Series 10 GigE Area Scan Camera

10 GigE VISION

Key Features

• Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc
• Support hardware trigger, software trigger and free run mode
• Support user defined ROI, to improve frame rate by reducing the resolution, and support mirror output
• Support PRNU and FPN
• Provides a high performance cost ratio for high speed transmission projects with CAT6 or CAT6A network cables
• Compatible with GigE Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
• CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CH120-10TM *	IMX253	CMOS	1.1"	3.45μm	Global	4096*3000	68fps	10 GigE	√	
MV-CH120-10TC *	IMX253	CMOS	1.1"	3.45μm	Global	4096*3000	68fps	10 GigE		√
MV-CH250-20TM	PYTHON 25K	CMOS	23mm*23mm	4.5μm	Global	5120*5120	40fps	10 GigE	√	
MV-CH250-20TC	PYTHON 25K	CMOS	23mm*23mm	4.5μm	Global	5120*5120	40fps	10 GigE		√
MV-CH290-60NM *	KAI-29050	CCD	36mm*24mm	5.5μm	Global	6576*4384	6fps	2.5 GigE	√	

Notice:* will be released soon.

Model Parameter	MV-CH120-10TM/C*	MV-CH250-20TM/C	MV-CH290-60NM*
Exposure Range	50μs~2sec	17μs~10sec	110μs~2sec
Dynamic Range	65dB	58dB	64dB
Pixel Format	Mono 8/10/10p/12/12p Bayer GR 8/10/10p/12/12p	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/10p/12/12p
GPIO	12-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1, RS232 x1, RS485 x1		
Power Consumption	<11.2W@12VDC	<14W@12VDC	<18W@12VDC
Power Supply	Power supply 11~25VDC		Power supply 10~14VDC
Dimension	M58-mount with fan: 74mm*74mm*78mm F-mount with fan: 74mm*74mm*113mm		
Weight	M58-mount with fan: <450g F-mount with fan: <600g		
Lens Mount	F-mount, optical back focal length 46.5mm or M58*0.75, optical back focal length 11.48mm		
Temperature/Humidity	Working temperature 0~50°C, storage temperature -30~70°C, 20%~80%RH without condensation		

74mm 78mm 74mm

74*74*78 structure

74mm 113mm 74mm

74*74*113 structure

■ CH Series CameraLink Area Scan Camera
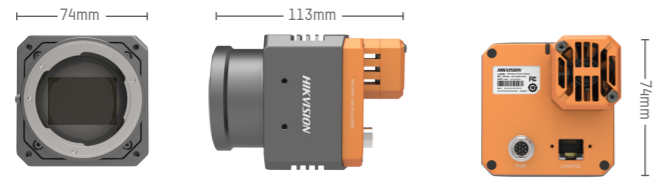
Key Features

• Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
• Support hardware trigger, software trigger and free run mode
• Support user defined ROI, to improve frame rate by reducing the resolution, and support mirror output
• Support PRNU and FPN
• Support Base and Medium mode
• Compatible with CameraLink protocol and GenICam standard and can be seamlessly connected to third-party software platforms
• CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CH050-10CM *	IMX250	CMOS	2/3"	3.45µm	Global	2448*2048	163.4fps	CameraLink	√	
MV-CH050-10CC *	IMX250	CMOS	2/3"	3.45µm	Global	2448*2048	163.4fps	CameraLink		√
MV-CH290-60CM	KAI-29050	CCD	36mm*24mm	5.5µm	Global	6576*4384	4.5fps	CameraLink	√	
MV-CH290-61CM	KAI-29050	CCD	36mm*24mm	5.5µm	Global	6576*4384	4.5fps	CameraLink	√	
MV-CH290-60CC *	KAI-29050	CCD	36mm*24mm	5.5µm	Global	6576*4384	4.5fps	CameraLink		√
MV-CH430-61CM *	KAI-43140	CCD	36mm*24mm	4.5µm	Global	8032*5360	4fps	CameraLink	√	
MV-CH500-60CM *	KAI-50140	CCD	46.98mm*21.60mm	4.5µm	Global	10440*4800	4fps	CameraLink	√	

Notice:* will be released soon.

| Model / Parameter	MV-CH050-10CM/C *	MV-CH290-60CM/C * MV-CH290-61CM
Exposure Range	15µs~10sec	110µs~2sec
Dynamic Range	75.4dB	64dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono 8/10/12 Bayer GR 8/10/12
GPIO	6-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1	12-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, bi-directional non-isolated I/O x1, RS232 x1, RS485 x1
Power Consumption	<3.5W@12VDC	<10W@12VDC
Power Supply	Power supply 9~26VDC	Power supply 11~25VDC
Dimension	44mm*29mm*59mm	M58-mount with fan: 74mm*74mm*78mm F-mount with fan: 74mm*74mm*113mm
Weight	<100g	M58-mount with fan: <450g F-mount with fan: <600g
Lens Mount	C-mount	F-mount, optical back focal length 46.5mm or M58*0.75, optical back focal length 11.48mm
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without	Working temperature 0~50℃, storage temperature -30~70℃, 20%~95%RH without condensation

Model Parameter	MV-CH430-61CM *	MV-CH500-60CM *
Exposure Range	100μs~2sec	100μs~10sec
Dynamic Range	60dB	60dB
Pixel Format	Mono 8/10/12	Mono 8/10/12
GPIO	12-pin Hirose connector provides power supply and I/O, including opto-isolated input x1, opto-isolated output x1, RS232 x1	
Power Consumption	<60W@12VDC (under cooling mode)	
Power Supply	Power supply 12VDC	Power supply 9~26VDC
Dimension	84mm*84mm*120mm	86mm*86mm*84mm
Weight	<900g	<900g
Lens Mount	F-mount, optical back focal length 46.5mm	M58*0.75, optical back focal length 11.48mm
Temperature/Humidity	Working temperature 0~50°C, storage temperature -30~70°C, 20%~95%RH without condensation	

44*29*59 structure
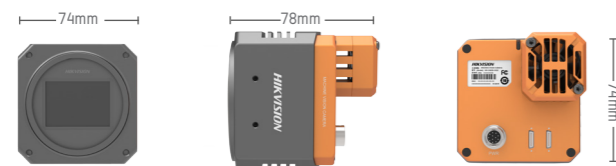
74*74*78 structure
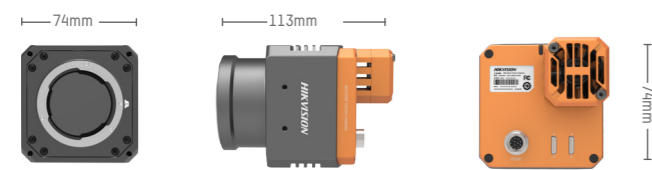
74*74*113 structure
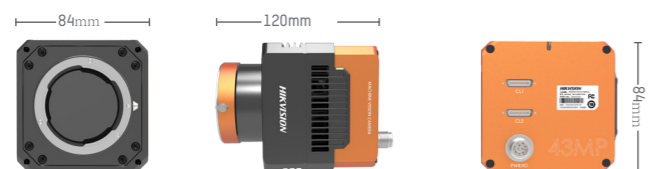
84*84*120 structure

■ CH Series CoaXPress Area Scan Camera

Key Features

- Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
- Support hardware trigger, software trigger and free run mode
- Support user defined ROI, to improve frame rate by reducing the resolution, and support mirror output
- Support PRNU and FPN
- Four channels with CXP-6 output
- Compatible with CoaXPress protocol and GenICam standard and can be seamlessly connected to third-party software platforms

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CH310-10XM	IMX342	CMOS	APS-C	3.45μm	Global	6480*4860	17.9fps	CoaxPress	√	
MV-CH430-90XM	GMAX0806	CMOS	22.16mm*15.22mm	2.8μm	Global	7904*5432	16.35fps	CoaxPress	√	

| Model Parameter	MV-CH310-10XM	MV-CH430-90XM
Exposure Range	Ultra Short: 3μs~33μs ADC 8bit: 47μs~2sec ADC 12bit: 36μs~2sec	12μs~2sec
Dynamic Range	73dB	66dB
Pixel Format	Mono 8/10/12	Mono 8/10/12
GPIO	12-pin I/O, including opto-isolated input x1, opto-isolated output x1, configurable I/O x1, RS485 x2, RS232 x1	
Power Consumption	About 13W@12VDC	About 7.2W@12VDC
Power Supply	Power supply 10~30VDC	Power supply 10~30VDC
Dimension	M58-mount with fan: 74mm*74mm*72mm F-mount with fan: 74mm*74mm*107mm	M58-mount with fan: 74mm*74mm*72mm F-mount with fan: 74mm*74mm*107mm
Weight	M58-mount with fan: <400g F-mount with fan: <650g	M58-mount with fan: <400g F-mount with fan: <650g
Lens Mount	F-mount, optical back focal length 46.5mm or M58*0.75, optical back focal length 11.48mm	F-mount, optical back focal length 46.5mm or M58*0.75, optical back focal length 11.48mm
Temperature/Humidity	Working temperature 0~50°C, storage temperature -30~70°C, 20%~95%RH without condensation	
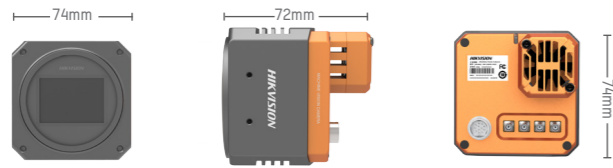
74*74*72 structure
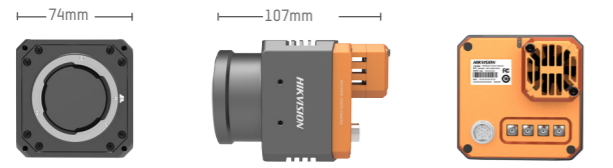
74*74*107 structure

Line Scan Camera

GiGE VISION

■ CL Series Line Scan Camera

Key Features

• Support automatic or manual adjustment of gain, exposure time, etc.
• Support user defined ROI
• Support multiple trigger modes, can run under hardware trigger, software trigger and free run mode
• Support PRNU and FPN
• Multiple ISP algorithms, ensuring the optimal image quality
• Compatible with GigE Vision, CameraLink protocol and GenICam standard and can be seamlessly connected to third-party software platforms
• CE, FCC, RoHS certification

Specifications

Model	Sensor Type	Pixel Size	Resolution	Line Rate	Data Interface	Mono	Color
MV-CL020-40GM	CMOS	7µm	2048*1	51kHz	GigE	√	
MV-CL020-41GC	CMOS	7µm	2048*2	26kHz	GigE		√
MV-CL041-70CM	CMOS	5µm	4096*1	100kHz	CameraLink	√	
MV-CL042-70CC	CMOS	5µm	4096*2	40kHz	CameraLink		√
MV-CL082-70CM	CMOS	5µm	8192*2	40kHz	CameraLink	√	
MV-CL084-90CM	CMOS	5µm	8192*4	100kHz	CameraLink	√	

Model / Parameter	MV-CL020-40GM MV-CL020-41GC	MV-CL041-70CM MV-CL042-70CC
Exposure Range	2µs~10ms	2µs~10ms
Dynamic Range	60dB	M:70dB
		C:56dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono8/10/12 Bayer GR 8/10/12
GPIO	12-pin Hirose connector provides power supply and I/O, including differential inputs x2, differential output x2, single-end input x1	12-pin Hirose connector provides power supply and I/O, including differential inputs x2, differential output x2 CameraLink connector provides I/O
Power Consumption	<4.0W	M: <3.5W C: <4.0W
Power Supply	5~15VDC, PoE supported	12~24VDC
Dimension	62mm*62mm*37.5mm	62mm*62mm*32mm
Weight	<170g	<150g
Lens Mount	M42*1.0, optical back focal length 12mm, supporting C-mount, F-mount and other mounts via lens adapter	
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation	Working temperature -30~50℃, storage temperature -30~70℃, 20%~80%RH without condensation

Parameter \ Model	MV-CL082-70CM	MV-CL084-90CM*
Exposure Range	1.5μs~6.6ms	3μs~10ms
Dynamic Range	67.6dB	62.3dB
Pixel Format	Mono 8/10/12	Mono 8/10/12
GPIO	CameraLink connector provides I/O	12-pin Hirose connector provides power supply and I/O, including differential inputs x2, differential output x2 CameraLink connector provides I/O
Power Consumption	<7.5W	<7.5W
Power Supply	12~24VDC	12~24VDC
Dimension	125mm*60mm*28.5mm	150mm*80mm*23.8mm
Weight	<360g	<400g
Lens Mount	φ42, M2.5*3, optical back focal length 10.3mm, fixed by screw	M72*0.75, optical back focal length 10.1mm
Temperature/Humidity	Working temperature 0~55℃, storage temperature -30~70℃ , 20%~80%RH without condensation	

62*62*37.5 structure

62*62*32 structure

150*80*23.8 structure

Board Level Camera

USB3 VISION™
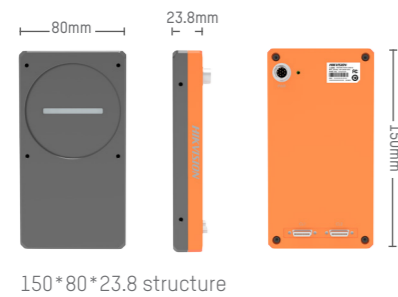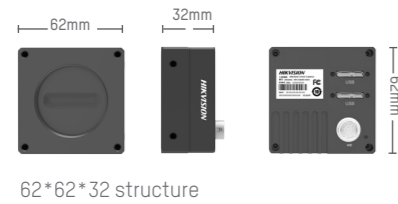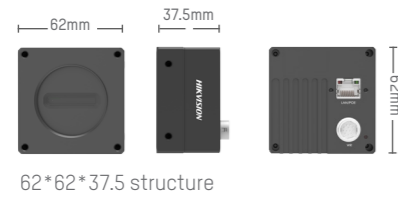
■ CB Series Board Level Camera

Key Features

• Single board design, flexible configuration
• Support automatic or manual adjustment of gain, exposure time, white balance, gamma correction, LUT, etc.
• Optional bare board, C-mount, M12 lens interface
• USB3.0 interface, transmission bandwidth up to 5Gbps, support USB interface power supply
• Compatible with USB3.0 Vision protocol and GenICam standard and can be seamlessly connected to third-party software platforms
• CE, FCC, RoHS certification
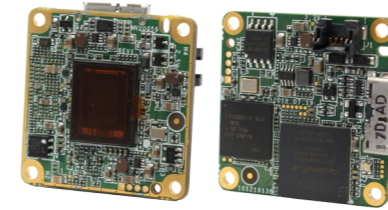
Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono	Color
	Model	Type	Size							
MV-CB013-20UM-B/C/S	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	170fps	USB3.0	√	
MV-CB013-20UC-B/C/S	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	170fps	USB3.0		√
MV-CB060-10UM-B/C/S	IMX178	CMOS	1/1.8"	2.4μm	Rolling	3072*2048	17fps	USB3.0	√	
MV-CB060-10UC-B/C/S	IMX178	CMOS	1/1.8"	2.4μm	Rolling	3072*2048	29fps	USB3.0		√
MV-CB120-10UM-B/C/S	IMX226	CMOS	1/1.7"	1.85μm	Rolling	4024*3036	28fps	USB3.0	√	
MV-CB120-10UC-B/C/S	IMX226	CMOS	1/1.7"	1.85μm	Rolling	4024*3036	21fps	USB3.0		√

Parameter \ Model	MV-CB013-20UM-B/C/S MV-CB013-20UC-B/C/S	MV-CB060-10UM-B/C/S MV-CB060-10UC-B/C/S	MV-CB120-10UM-B/C/S MV-CB120-10UC-B/C/S
Exposure Time	M:40μs~10sec	M:27μs~2.5sec	M:11μs~2sec
	C:65μs~10sec	C:24μs~2.5sec	C:23μs~2sec
Dynamic Range	60dB	65dB	65dB
Pixel Format	Mono 8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono8/10/10p/12/12p Bayer RG 8/10/10p/12/12p	Mono8/10/10p/12/12p Bayer RG 8/10/10p/12/12p
GPIO	bi-directional configurable I/O x2		
Power Consumption	<2.28W@5VDC	<1.5W@5VDC	<2.45W@5VDC
Power Supply	Power over USB3.0 supported		
Dimension	B: 32.5mm*32.5mm*4.5mm	B: 32.5mm*32.5mm*3.6mm	B: 32.5mm*32.5mm*4.5mm
	C: 35mm*35mm*8.6mm		
	S: 35mm*35mm*8.6mm		
Weight	B:<10g		
	C:<30g		
	S:<30g		
Lens Mount	B: NA		
	C: C-mount		
	S: M12-mount		
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~70℃, 20%~80%RH without condensation		
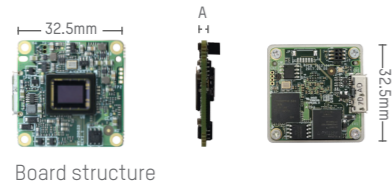
| Model	A (mm)
MV-CB013-20UM-B/C/S	4.5
MV-CB013-20UC-B/C/S	4.5
MV-CB060-10UM-B/C/S	3.6
MV-CB060-10UC-B/C/S	3.6
MV-CB120-10UM-B/C/S	4.5
MV-CB120-10UC-B/C/S	4.5

Board structure
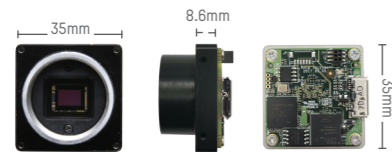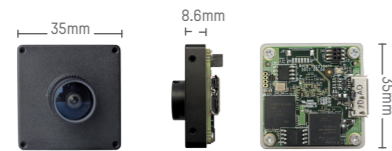
C-mount structure

M12-mount structure

Smart Camera

■ X86 Open Platform

Key Features

- Excellent sensor for high-speed image data acquisition
- Open platform can be provided to users for developing application based systems
- Optional interface expansion board and VGA output
- GigE interface, with the maximum transmission distance of 100m (without repeater)
- Various IO interfaces provide access for multiple input and output signals, support support RS232 or RS485 (which is externally extensible) serial port transmission protocol and field bus standard to connect with industrial equipment on site
- Various light source, including additional on-camera light or external extended light control
- Support multiple trigger mode (single frame and burst), chosen based on the application
- Support LED status indicator, log can be saved and exported
- IP67 protection level, meeting the requirement of strict industrial environment
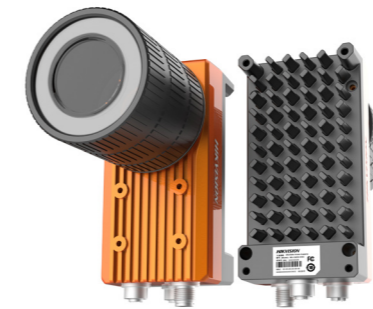- CE, FCC, RoHS certification
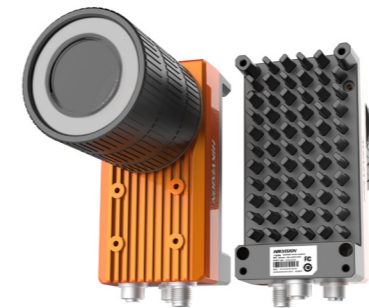
Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono
	Model	Type	Size						
MV-SI600-37GM	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	80fps	GigE	√
MV-SI600-38GM	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	80fps	GigE	√
MV-SI610-07GM	PYTHON 2000	CMOS	2/3"	4.8μm	Global	1920*1200	50fps	GigE	√
MV-SI610-08GM	PYTHON 2000	CMOS	2/3"	4.8μm	Global	1920*1200	50fps	GigE	√
MV-SI620-37GM	PYTHON 5000	CMOS	1"	4.8μm	Global	2592*2048	30fps	GigE	√
MV-SI620-38GM	PYTHON 5000	CMOS	1"	4.8μm	Global	2592*2048	30fps	GigE	√
MV-SI630-07GM	IMX178	CMOS	1/1.8"	2.4μm	Rolling	3072*2048	17fps	GigE	√
MV-SI630-08GM	IMX178	CMOS	1/1.8"	2.4μm	Rolling	3072*2048	17fps	GigE	√

Model \ Parameter	MV-SI600-37GM MV-SI600-38GM	MV-SI610-07GM MV-SI610-08GM	MV-SI620-37GM MV-SI620-38GM	MV-SI630-07GM MV-SI630-08GM
Function Modules	Open platform			
System Structure	Intel X86, E3845, 1.91GHz			
Pixel Format	Mono8			
GPIO	12-pin I/O interface, GPI x3, GPO x3, RS232 serial port input x1, RS232 serial port output x1			
Expansion board	17-pin interface: VGA output x1, USB2.0 x3, full-duplex RS232 x1, half-duplex RS485 x1, GPI x7, GPO x7, light source power supply x1			
Memory	DDR3L Memory 4GB			
Storage	32GB SSD			
Power Consumption	MV-SI600-37GM: <11W@24VDC MV-SI600-38GM: <24W@24VDC	MV-SI610-07GM: <11W@24VDC MV-SI610-08GM: <28W@24VDC	MV-SI620-37GM: <15W@24VDC MV-SI620-38GM: <34W@24VDC	MV-SI630-07GM: <15W@24VDC MV-SI630-08GM: <34W@24VDC
Power Supply	Power supply voltage range 9~24VDC			
Lens Mount	C-mount			
Camera Control	MVS			
IP Protection Level	IP67 (in case of correct installation of appropriate lens cover)			
Light Source, Lens Cover and Optical Interface	MV-SI6*0-*7GM don't include light source or lens cover, support expansion board MV-SI6*0-*8GM include light source and lens cover, support expansion board			
Dimension	MV-SI6*0-*7GM: 126mm*66mm*60.5mm MV-SI6*0-*8GM: 126mm*66mm*113.2mm			
Weight	MV-SI6*0-*7GM: <550g MV-SI6*0-*8GM: <750g			
Temperature/Humidity	Working temperature 0~50°C, storage temperature -30~70°C, 20%~95%RH without condensation			

66mm   60.5mm   126mm

X86 open platform (excluding light source and lens cover) structure

66mm   113.2mm   126mm

X86 open platform (including light source and lens cover) structure

SI Series Smart Code Reader

Key Features

- Excellent sensor for high-speed image data acquisition
- With embedded code-reading algorithm, efficiently read barcode types below
  1D Codes: Code 39, Code 93, Code 128, Coda Bar, etc.
  2D Codes: QR code, Datamatrix, etc.
  DPM format supported
- GigE interface, with the maximum transmission distance of 100m (without repeater)
- Various IO interfaces provide access for multiple input and output signals, support RS232 or RS485 serial port transmission protocol, and industrial bus standard to connect with industrial equipment on site
- Various light source, including additional on-camera light or external extended light control
- Support multiple trigger mode (single frame and burst), chosen based on the application
- Support master-slave mode, to realize multi-cam linkage control
- Support LED status indicator, log can be saved and exported
- IP67 protection level, meeting the requirement of strict industrial environment
- CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono
	Model	Type	Size						
MV-SI602-31GM	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	80fps	GigE	√
MV-SI612-01GM	PYTHON 2000	CMOS	2/3"	4.8μm	Global	1920*1200	50fps	GigE	√
MV-SI622-30GM	PYTHON 5000	CMOS	1"	4.8μm	Global	2592*2048	30fps	GigE	√
MV-SI622-31GM	PYTHON 5000	CMOS	1"	4.8μm	Global	2592*2048	30fps	GigE	√
MV-SI642-00GM	IMX 267	CMOS	1"	3.45μm	Global	4096*2160	30fps	GigE	√

Parameter \ Model	MV-SI602-31GM	MV-SI612-01GM	MV-SI622-30GM MV-SI622-31GM	MV-SI642-00GM
Function Modules	Barcode reading (1D code: Code 39, Code 93, Code 128, Coda Bar, etc.; 2D code: QR code, Datamatrix, etc.; DPM format)			
Pixel Format	Mono8			
GPIO	12-pin I/O interface, GPI x3, GPO x3, RS232 serial port input x1, RS232 serial port output x1			
Memory	DDR3L Memory 4GB			
Storage	32GB SSD			
Power Consumption	<24W@24VDC	<28W@24VDC	MV-SI622-30GM: <15W@24VDC MV-SI622-31GM: <34W@24VDC	<15W@24VDC
Power Supply	Power supply voltage range 9~24VDC			
Lens Mount	C-mount			
Camera Control	SmartMVS			
IP Protection Level	IP67 (in case of correct installation of appropriate lens cover)			
Light Source, Lens Cover and Optical Interface	MV-SI6*2-*0GM don't include light source or lens cover, but include external optical interface MV-SI6*2-*1GM include both light source, lens cover and external optical interface			
Dimension	MV-SI6*2-*0GM: 126mm*66mm*60.5mm MV-SI6*2-*1GM: 126mm*66mm*113.2mm			
Weight	MV-SI6*2-*0GM: <550g MV-SI6*2-*1GM: <750g			
Temperature/Humidity	Working temperature 0~50°C, storage temperature -30~70°C, 20%~95%RH without condensation			

X86 smart camera (excluding light source and lens cover) structure

X86 smart camera (including light source and lens cover) structure

■ IM Series Smart Code Reader

Key Features

- Movidius VPU platform for parallel high-speed image processing
- Embedded code reading algorithm for efficiently reading the following code types:
  1D Codes: Code 39, Code 128, EAN, etc.
  2D Codes: QR code, Datamatrix, etc.
- Efficient algorithm performance can deal with situation of dirty, defect, low contrast, etc.
- Embedded aviation connectors, various I/O interface, can access multiple input signals and output signals
  Multi-indicator lights for debugging process and display performance
- M12 lens optional
- Optimized light source cup design ensures brightness uniformity
- CE, FCC, RoHS certification

Specifications

Model	Sensor			Pixel Size	Shutter Mode	Resolution	Frame Rate	Data Interface	Mono
	Model	Type	Size						
MV-IM1013-12MWG	PYTHON 1300	CMOS	1/2"	4.8μm	Global	1280*1024	60fps	GigE	√

| Parameter \ Model	MV-IM1013-12MWG
Function Modules	Barcode reading (1D code: Code 39, Code 128, EAN, etc.; 2D code: QR code, Datamatrix, etc.)
System Structure	Movidius VPU
Pixel Format	Mono8
GPIO	12-pin I/O interface, GPI x3, GPO x3, RS232 serial port input x1, RS232 serial port output x1
Power Consumption	5.5W@24VDC (with fill light off) 6.5W@24VDC (with fill light on)
Power Supply	Power supply voltage range 9~24VDC
Dimension	81.8mm*50.5mm*36.5mm
Weight	<90g
Lens Mount	M12-mount
Camera Control	SmartMVS
Temperature/Humidity	Working temperature 0~50°C, storage temperature -30~70°C, 20%~95%RH without condensation

3D Camera

■ Binocular 3D Camera

Key Features

• Integrated high-precision algorithms
• Apply NIR laser module, larger dynamic range
• Narrow band optical filter design, ambient light effectivley restrained
• Support depth data or volume measurement data output
• IP65 protection level, adapted to harsh industrial environment
• CE, FCC and RoHS certificated

Specifications

Parameter \ Model	MV-DS135-06GM-L *
Near FOV	640mm×540mm
Far FOV	1040mm×840mm
Clerance Distance (CD)	900mm
Measurement Range (MR)	500mm
Detection Accuracy	10mm
Scan Rate	Depth data 4fps
Output Data	Raw image, depth data, volume data (L/W/H)
Data Interface	Gigabit Ethernet
GPIO	12-pin I/O interface, GPI x3, GPO x3, RS232 serial port input x1, RS232 serial port output x1
Power Consumption	8W@12VDC
Laser Safety Class	2M
Dimension	45mm*140mm*58mm
Weight	<600g
IP Protection Level	IP65
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~80℃, 20%~85%RH without condensation

Notice: * will be released soon.
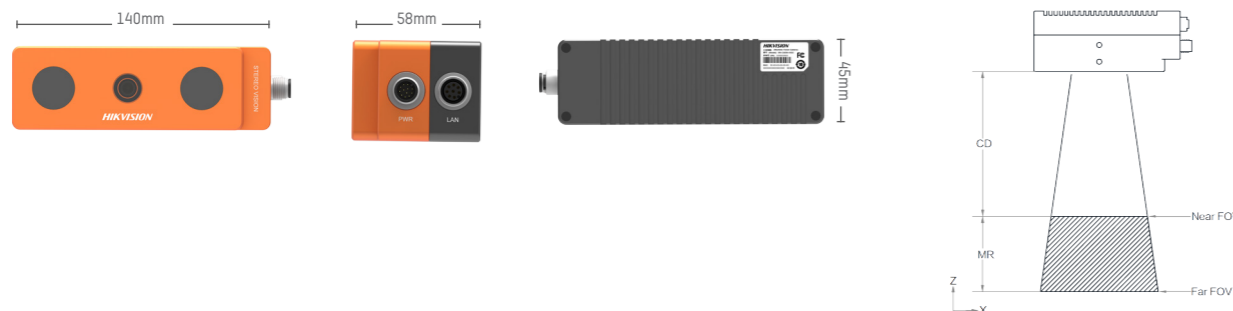
■ Line Laser 3D Camera

Key Features

• High precision line laser, high stability
• High frame rate, stable profile
• Integrated design without moving parts
• Wider detection range, apply to logistics industry
• IP65 protection level, apply to harsh industrial environment
• CE, FCC and RoHS certificated

Specifications

Parameter \ Model	MV-DL1617-05L
Near FOV	1000mm
Far FOV	2235mm
Clerance Distance (CD)	750mm
Measurement Range (MR)	1000mm
Detection Accuracy	5mm
Detection Speed	1m/s@5mm
Scan Rate	200Hz@1m³ MR
Output Data	Point cloud data or L/W/H
Sync Signal Mode	External or encoder trigger
Data Interface	Gigabit Ethernet
GPIO	5-pin Amphenol connector, bi-directional configurable I/O x1, serial port input x1
Power Consumption	<7.0W@12VDC
Laser Safety Class	3B@200mw
Dimension	549.4mm*65mm*160mm
Weight	<5Kg
IP Protection Level	IP65
Temperature/Humidity	Working temperature 0~50℃, storage temperature -30~80℃, 20%~85%RH without condensation
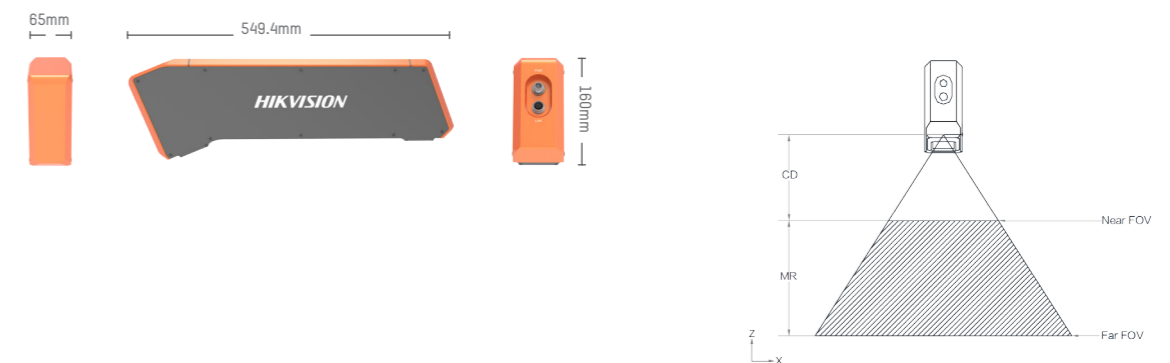
Vision Box

2000 Series Vision Box

Key Features

• On-board Intel E3845 SoC, 1.91GHz 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
• 4GB DDR3L memory, optional SSD capacity
• Intel chip GigE port, enhanced anti-surge design
• 2 independent HDMI output
• Support GPIO input and output
• Optional 24W light source control interface, enable to control light source
• CE, FCC, RoHS certification

Specifications

Model	CPU	Memory	Hard Drive	Light Interface
MV-VB2100-032G	Intel E3845	4GB DDR3	32GB SSD	NA
MV-VB2100-120G	Intel E3845	4GB DDR3	128GB SSD	NA
MV-VB2110-120G	Intel E3845	4GB DDR3	128GB SSD	Voltage controlled x1, output voltage 0-24VDC, maximum power 24W
MV-VB2120-120G	Intel E3845	4GB DDR3	128GB SSD	Current controlled x1, maximum current 2A, maximum power 24W
MV-VB2210-120G *	Intel E3845	4GB DDR3	128GB SSD	Voltage controlled x1, output voltage 0-24VDC, maximum power 24W
MV-VB2220-120G *	Intel E3845	4GB DDR3	128GB SSD	Current controlled x1, maximum current 2A, maximum power 24W

Notice: * will be released soon.

Model Parameter	MV-VB2100-032G	MV-VB2100-120G	MV-VB2110-120G
Image/Video	Integrated Gen7 GPU Support hardware-accelerated various video format decoding and H.264 video coding		
Display	HDMI port x2, support independent display output, maximum resolution 2560*1600		
Network	RJ45 self-adaptive Ethernet port (10-1000Mb/s) x2, enhanced anti-surge and anti-lightning protection		
USB	USB 3.0 host port x1, USB 2.0 host port x3		
Serial Port	half-deplex RS485 port (non-isolated) x1, RS232 x1		
GPIO	8×GPIO(4-In, 4-Out)		
Audio	HDA stereo Line-out and mono Mic-in		
Power Supply	DC 24V/1A		
Dimension	135mm*91mm*45mm		
Power Consumption	Total power consumtion≤14W		
Working Temperature/Humidity	-10~50°C, no air flow, 20%~80%RH without condensation		
Operation System	Win7, Win10		

Model Parameter	MV-VB2120-120G	MV-VB2210-120G *	MV-VB2220-120G *
Image/Video	Integrated Gen7 GPU Support hardware-accelerated various video format decoding and H.264 video coding		
Display	HDMI port x2, support independent display output, maximum resolution 2560*1600		
Network	RJ45 self-adaptive Ethernet port (10-1000Mb/s) x2, enhanced anti-surge and anti-lightning protection	RJ45 self-adaptive Ethernet port x3, enhanced anti-surge and anti-lightning protection	RJ45 self-adaptive Ethernet port x3, enhanced anti-surge and anti-lightning protection
USB	USB 3.0 host port x1, USB 2.0 host port x2 (embedded Vericode Regular code authentication)	USB 3.0 host port x1, USB 2.0 host port x3 with internal USB port (optional)	USB 3.0 host port x1, USB 2.0 host port x3 with internal USB port (optional)
Serial Port	half-deplex RS485 port (non-isolated) x1, RS232 x1		
GPIO	8×GPIO(4-In, 4-Out)		
Audio	HDA stereo Line-out and mono Mic-in	NA	NA
Power Supply	DC 24V/1A		
Dimension	135mm*91mm*45mm		
Power Consumption	Total power consumtion≤14W		
Working Temperature/Humidity	-10~50°C, no air flow, 20%~80%RH without condensation		
Operation System	Win7, Win10		

91mm　　134.8mm　　45mm

Lens
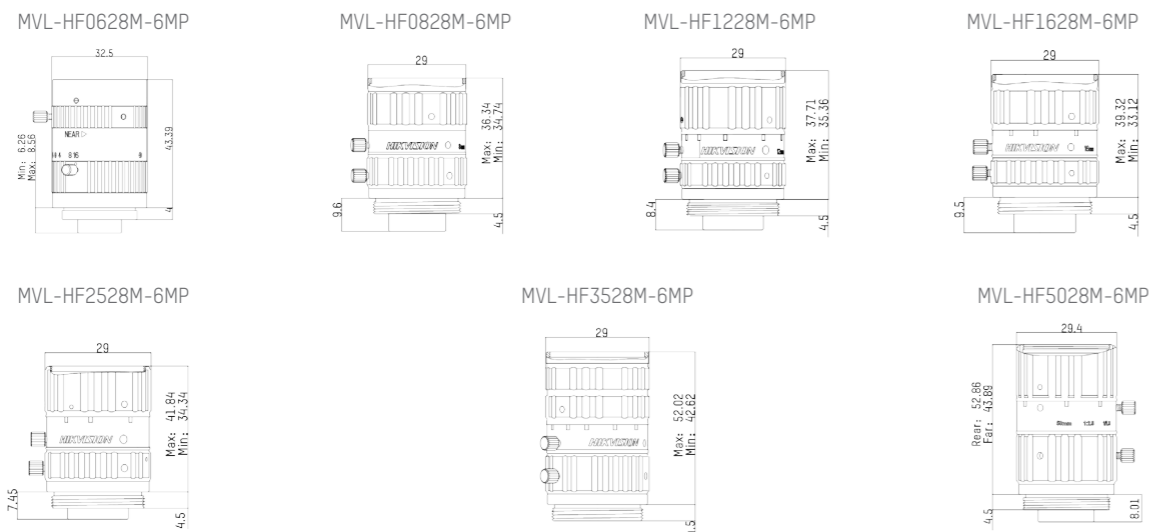
■ HF Series (1/1.8" 6MP)

Key Features

- High resolution, high definition consistency
- Low distortion, high illumination relative
- Maximum image circle 1/1.8"
- Special optimization for machine vision light sources and sensors
- Excellent mechanism design, improve the shock resistance and high/low temperature stability
- Multilayer wide band coating, ensuring high transmittance of visible and near infrared light
- Support ultra short working distance, maintaining excellent optical properties at different object distances

Specifications

Model	Focal Length(mm)	F No.	Optical Distortion	Field of View			M.O.D (m)	Filter Thread	Mount	Operating Temperature
				D	H	V				
MVL-HF0628M-6MP	6	F2.8-F16	-1.50%	73.5°	62.8°	44.5°	0.035	/	C-mount	-10~50°C
MVL-HF0828M-6MP	8	F2.8-F16	-0.96%	58.5°	49.3°	34.0°	0.04	M27*0.5	C-mount	-10~50°C
MVL-HF1228M-6MP	12	F2.8-F16	-0.38%	41.2°	34.4°	23.4°	0.06	M27*0.5	C-mount	-10~50°C
MVL-HF1628M-6MP	16	F2.8-F16	-0.08%	31.0°	25.7°	17.5°	0.07	M27*0.5	C-mount	-10~50°C
MVL-HF2528M-6MP	25	F2.8-F16	-0.02%	19.8°	16.3°	10.9°	0.15	M25.5*0.5	C-mount	-10~50°C
MVL-HF3528M-6MP	35	F2.8-F16	-0.02%	13.8°	11.3°	7.6°	0.18	M27*0.5	C-mount	-10~50°C
MVL-HF5028M-6MP	50	F2.8-F16	0.11%	9.7°	8.0°	5.4°	0.3	M25.5*0.5	C-mount	-10~50°C

Dimension(unit: mm)

MVL-HF0628M-6MP

MVL-HF0828M-6MP

MVL-HF1228M-6MP

MVL-HF1628M-6MP

MVL-HF2528M-6MP

MVL-HF3528M-6MP

MVL-HF5028M-6MP
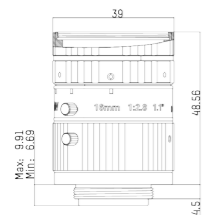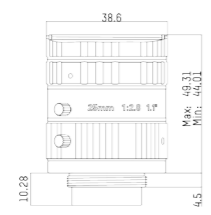

■ MF Series (2/3" 5MP)

Key Features

- High resolution, high definition consistency
- Maximum aperture F2.0, maximum image circle 2/3"
- Low distortion, ensuring measurement accuracy
- High cost performance, lower price, higher performance
- Compact structure, convenient for equipment miniaturization

Specifications

Model	Focal Length(mm)	F No.	Optical Distortion	Field of View			M.O.D (m)	Filter Thread	Mount	Operating Temperature
				D	H	V				
MVL-MF0824M-5MP	8	F2.4-F16	-2.06%	70.2°	58.1°	44.5°	0.03	/	C-mount	-10~50°C
MVL-MF1220M-5MP	12	F2.0-F16	-1.01%	48.8°	40.2°	30.6°	0.08	/	C-mount	-10~50°C
MVL-MF1620M-5MP	16	F2.0-F16	-0.28%	37.8°	30.8°	23.5°	0.1	M27*0.5	C-mount	-10~50°C
MVL-MF2520M-5MP	25	F2.0-F16	-0.88%	23.5°	18.8°	14.2°	0.15	M27*0.5	C-mount	-10~50°C
MVL-MF3520M-5MP	35	F2.0-F16	-0.09%	17.8°	14.3°	10.8°	0.2	M27*0.5	C-mount	-10~50°C
MVL-MF5028M-5MP	50	F2.8-F16	0.04%	12.5°	10.1°	7.5°	0.35	M27*0.5	C-mount	-10~50°C

Dimension(unit: mm)

MVL-MF0824M-5MP

MVL-MF1220M-5MP

MVL-MF1620M-5MP

MVL-MF2520M-5MP

MVL-MF3520M-5MP

MVL-MF5020M-5MP
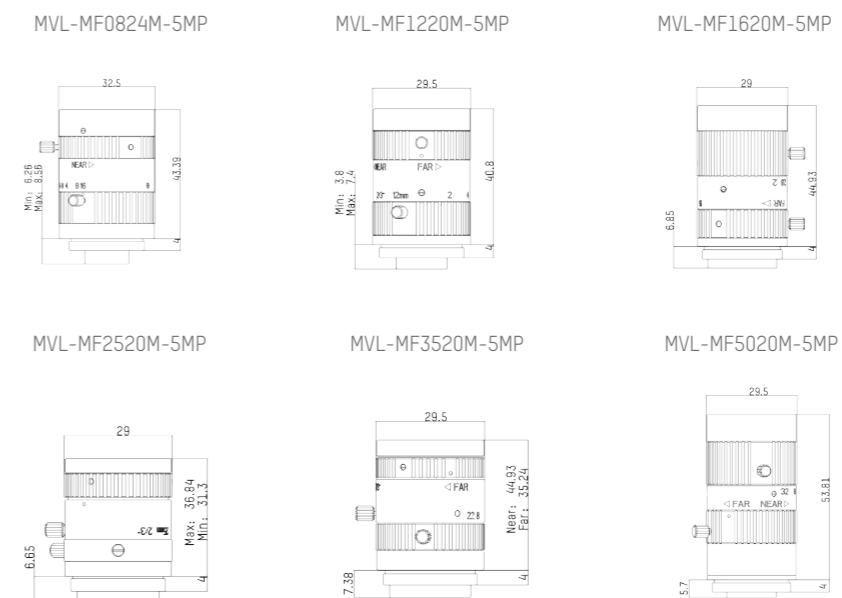
KF Series (1.1" 12MP)

Key Features

• High resolution, high definition consistency
• Low distortion, high illumination relative
• Maximum image circle 1.1"
• Special optimization for machine vision light sources and sensors
• Excellent mechanism design, improve the shock resistance and high/low temperature stability
• Multilayer wide band coating, ensuring high transmittance of visible and near infrared light
• Support ultra short working distance, maintaining excellent optical properties at different object distances

Specifications

Model	Focal Length(mm)	F No.	Optical Distortion	Field of View			M.O.D (m)	Filter Thread	Mount	Operating Temperature
				D	H	V				
MVL-KF1628M-12MP	16	F2.8-F16	-1.30%	54.8°	44.9°	33.9°	0.08	M35.5*0.5	C-mount	-10~50°C
MVL-KF2528M-12MP	25	F2.8-F16	0.40%	36.7°	29.6°	22.1°	0.12	M35.5*0.5	C-mount	-10~50°C
MVL-KF3528M-12MP	35	F2.8-F16	-0.21%	26.7°	21.4°	15.9°	0.18	M35.5*0.5	C-mount	-10~50°C
MVL-KF5028M-12MP	50	F2.8-F16	-0.05%	18.9°	15.1°	11.2°	0.28	M35.5*0.5	C-mount	-10~50°C

Dimension(unit: mm)

MVL-KF1628M-12MP   MVL-KF2528M-12MP   MVL-KF3528M-12MP   MVL-KF5028M-6MP
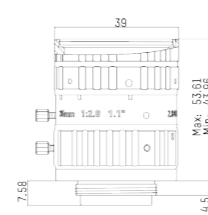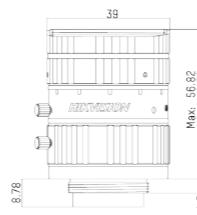
SA Series (4/3" 10MP)

Key Features

• High resolution, high definition consistency
• Maximum aperture F2.0
• Maximum image circle 4/3"
• Low distortion, ensuring measurement accuracy
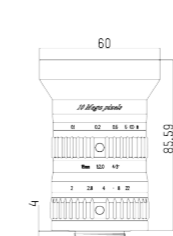• High illumination relative, ensuring the brightness consistency of the image

Specifications

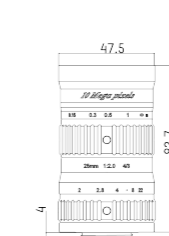| Model	Focal Length(mm)	F No.	Optical Distortion	Field of View			M.O.D (m)	Filter Thread	Mount	Operating Temperature
				D	H	V				
SA1220M-10MP	12	F2.0-F22	-2.40%	89.0°	75.5°	61.1°	0.15	M77*0.75	C-mount	-10~50°C
SA1620M-10MP	16	F2.0-F22	-2.81%	72.9°	60.9°	47.3°	0.1	M58*0.75	C-mount	-10~50°C
SA2520M-10MP	25	F2.0-F22	-0.66%	49.7°	40.6°	31.0°	0.15	M46*0.75	C-mount	-10~50°C
SA3520M-10MP	35	F2.0-F22	-0.56%	36.6°	29.6°	22.4°	0.2	M40.5*0.5	C-mount	-10~50°C
SA5020M-10MP	50	F2.0-F22	-0.14%	25.9°	20.9°	15.7°	0.3	M40.5*0.5	C-mount	-10~50°C
SA8520M-10MP	85	F2.0-F22	0.04%	15.4°	12.1°	9.3°	1.2	M77*0.75	C-mount	-10~50°C

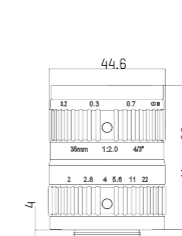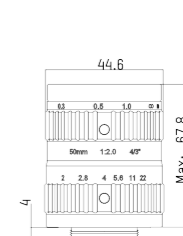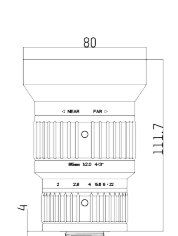## Dimension(unit: mm)
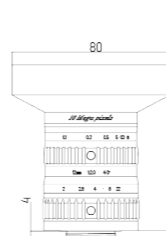
SA1220M-10MP   SA1620M-10MP   SA2520M-10MP   SA3520M-10MP   SA5020M-10MP   SA8520M-10MP

■ LF Series (Large Image Circle Lens)

Key Features

• Highest resolution 160lp/mm, ultra high definition consistency
• Low distortion, high illumination relative
• Image circle φ46mm, applicable to large size area scan and line scan cameras
• Optimized optical design for different magnification
• Optimization for machine vision light sources and sensors
• Detachable F-mount structure, extensible for other interfaces

Specifications

Model	MVL-LF8040M-F
Focal Length(mm)	80
F No.	F4.0-F32
Optical Distortion	0.04%
Field of View — D	30.41°
Field of View — H	25.47°
Field of View — V	17.13°
M.O.D(m)	0.23
Recommended Magnification	0.04x~0.4x
Filter Thread	M52*0.75
Mount	F-mount
Operating Temperature	-10~50°C

Dimension(unit: mm)

MVL-LF8040M-F
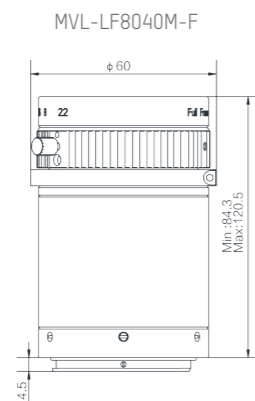
■ High Resolution Telecentric Lens

Key Features

• Object telecentric design
• High resolution, contrast and illumination relative
• Nearly zero distortion, more suitable for high precision measurement and positioning
• Image format covers 1/2" and 2/3"
• Standard C-mount

Specifications

Model	Amplification Factor	Working Distance (mm)	Image Circle	DoF(mm)	Resolution (um)	TV-Distortion	Telecentricity	Aperture	Total Length (mm)	Maximum Diameter(mm)
MVL-MY-05-110-MP	0.5	110	2/3"	2.98	12	≤0.05%	≤0.1°	9.3	120.5	35
MVL-MY-07-145-MP	0.7	145	2/3"	3.2	14.3	≤0.1%	≤0.2°	11.2	110.4	28
MVL-MY-08-130-MP	0.8	130	2/3"	1.4	9.4	≤0.1%	≤0.1°	11.2	117.1	28
MVL-MY-1-110-MP	1	110	2/3"	0.88	7.4	≤0.05%	≤0.1°	11	128.4	30
MVL-MY-2-110-MP	2	110	2/3"	0.27	4.5	≤0.05%	≤0.1°	13.6	130.4	30
MVL-MY-4-110-MP	4	110	2/3"	0.11	3.7	≤0.05%	≤0.1°	22	110.2	30
MVL-HY-05-110	0.5	110	1/2"	2.9	25.4	≤0.5%	≤0.1°	18.8	46.2	16
MVL-HY-08-130	0.8	130	1/2"	2.9	20	≤0.1%	≤0.1°	23.5	97.1	18
MVL-HY-1-110	1	110	1/2"	1.5	13.2	≤0.1%	≤0.1°	19.7	109.8	18
MVL-HY-15-110	1.5	110	1/2"	0.4	6	≤0.1%	≤0.1°	13.2	100.2	16
MVL-HY-2-110	2	110	1/2"	0.7	12.9	≤0.2%	≤0.1°	31.7	73.8	16
MVL-HY-4-110	4	110	1/2"	0.18	6.1	≤0.1%	≤0.1°	36.3	132.5	16

Dimension(unit: mm)

MVL-MY-05-110-MP   MVL-MY-07-145-MP   MVL-MY-08-130-MP   MVL-MY-1-110-MP   MVL-MY-2-110-MP   MVL-MY-4-110-MP
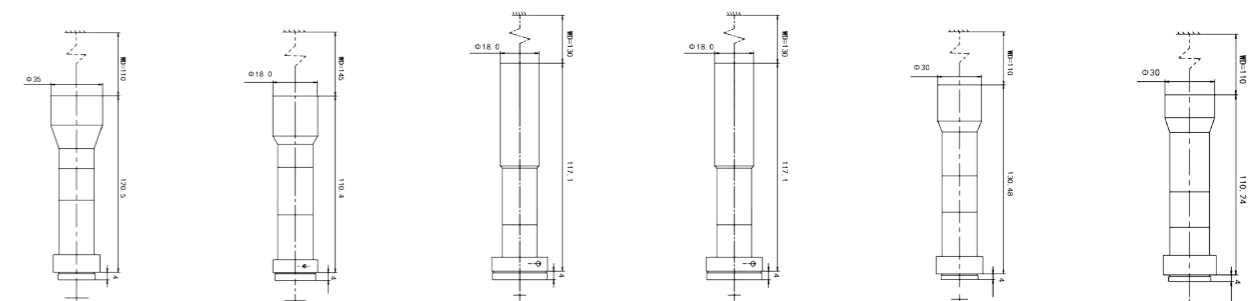
# Industrial Camera Software Development Kits

Overview

Hikvision industrial camera SDK is based on GenICam standard, compliant with GigE Vision and USB3 Vision standard, and can be used to control the connected industrial area cameras and line cameras, supporting camera image debugging and secondary development.

Key Features

- Users can use SDK API or MVS to debug camera image, acquire and set camera parameters
- Powerful GigE driver can improve the ability of transmitting and processing image with extremely low CPU resources
- USB3 driver fully supports USB3 Vision standard and ensure that the U3V camera transmits ultra-high-speed image data with USB3.0 bandwidth
- Rich API interfaces can be used to facilitate quick and effective secondary development
- Support implement in Halcon, Labview, Sherlock and other software and can provide DirectShow developing kit
- Various sample programs, source code, and development documentation are provided for quick start
- Support further API encapsulation, plug-in, and other forms of customization

Supported Platforms	Supported Programing Languages	Supported IDE
Windows 32/64bits Linux 32/64bits MacOS	C C++ C# VB.NET	VC6.0 VS2008 and above QT XE5 BCB6.0

MVS
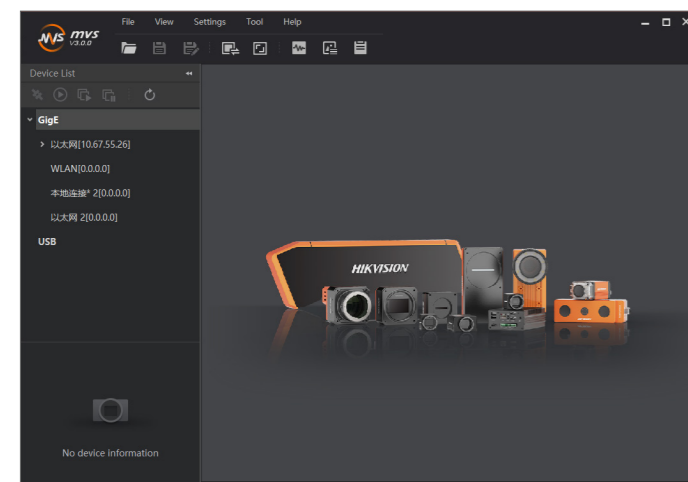
Download

SDK can be downloaded freely by the official website
http://en.hikrobotics.com/service/soft.htm?type=1

(Note: the QR code is a link to the download page of Hikrobot official website.)

Hikvision   Hikrobot

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