iRAYPLE

MACHINE VISION

Turning Vision Into Productivity

Zhejiang HuaRay Technology Co., Ltd.

COMPANY INTRODUCTION

Zhejiang HuaRay Technology Co., Ltd. is a professional company focusing on R&D, production, and sales of machine vision and autonomous mobile robot (AMR) products and solutions. Concentrating on smart manufacturing and logistics, we have always insisted on satisfying customers' needs, creating value to help customers reduce costs, and making factories smarter.

As a national high-tech enterprise, HuaRay has always insisted on technological innovation. More than 60% of our employees are dedicated in R&D, and the company has nearly 300 patent applications. HuaRay is a leading company in the industries of embedded software, image optimization, recognition algorithms, network transmission, navigation, positioning, scheduling, motion control, and other technical fields.

HuaRay's products and solutions are widely used in the logistics, automotive, 3C, lithium battery, photovoltaic, semiconductor, and pharmaceutical industries. Our machine vision products include industrial area scan cameras, line scan cameras, smart industrial cameras, vision sensors, 3D industrial cameras, and lenses. These products have been used for code recognition, OCR, vision measurement, location, defect detection, and providing customers with one-stop product purchases. Our autonomous mobile robot (AMR) products include latent lift, towing, forklifts, and sorting robots, mainly used for logistics warehouses and material handling, to provide end-to-end intelligent handling solutions.

Relying on years of AI technology accumulation in the industrial field and the established industrial IoT ecosystem, HuaRay has been developing with company's technological advantages and continues to provide global customers with better products and more professional services. We have helped bring about the digitalization of industry and have become experts in improving industrial intelligence and efficiency.

*See the website：http://www.irayple.com/en/home

CONTEXT

1/ Cameras

2/ Lenses

3000 Series Area Scan Cameras

Superior cost efficiency

29mm×29mm×29mm

GiGE VISION USB3 VISION

Model	Resolution	FPS	Bit depth	Interface	Sensor						Dimension (mm)	Recommended lens
					Model	Type	Pixel size (μm)	Size	Shutter	Mono /Color		
A3051MG100E	800x600	120	10	GigE	PYTHON480	CMOS	4.8x4.8	1/3.6"	Global	M	29x29x29	MH-S
A3051M/CG000E	800x600	120	10	GigE,POE	PYTHON480	CMOS	4.8x4.8	1/3.6"	Global	M/C	29x29x42	MH-S
A3135M/CG000E	1280x960	30	14	GigE,POE	RJ33J4/3CA0DT	CCD	3.75x3.75	1/3"	Global	M/C	29x29x42	MH-S
A3124M/CG100E	1280x960	54	12	GigE	AR0135	CMOS	3.75x3.75	1/3"	Global	M/C	29x29x29	MH-S
A3131MG100E	1280x1024	60	10	GigE	PYTHON 1300	CMOS	4.8x4.8	1/2"	Global	M	29x29x29	MH-S
A3131M/CG000E	1280x1024	60	10	GigE,POE	PYTHON 1300	CMOS	4.8x4.8	1/2"	Global	M/C	29x29x42	MH-S
A3200MG004E	1920x1080	22	10	GigE,POE	IMX290	CMOS	2.9x2.9	1/2.8"	Rolling	M	29x29x42	MH-SP
A3200CG000E	1920x1080	22	10	GigE,POE	IMX290	CMOS	2.9x2.9	1/2.8"	Rolling	C	29x29x42	MH-SP
A3514MG000E	2592x1944	14	10	GigE,POE	MT9P031	CMOS	2.2x2.2	1/2.5"	Rolling	M	29x29x42	MH-SP
A3504M/CG100E	2592x1944	23	12	GigE	AR0521	CMOS	2.2x2.2	1/2.5"	Rolling	M/C	29x29x29	MH-SP
A3600MG100E	3072x2048	18	12	GigE	IMX178	CMOS	2.4x2.4	1/1.8"	Rolling	M	29x29x29	MH-SP
A3600M/CG18E	3072x2048	18	12	GigE,POE	IMX178	CMOS	2.4x2.4	1/1.8"	Rolling	M/C	29x29x42	MH-SP
A3A04MG10E	3840x2748	10	12	GigE,POE	MT9J003	CMOS	1.67x1.67	1/2.3"	Rolling	M	29x29x42	MK-M
A3A20M/CG8E	4000x3000	9	12	GigE,POE	IMX226	CMOS	1.85x1.85	1/1.7"	Rolling	M/C	29x29x42	MH-SP
A3B00M/CG000E	5472x3648	5.8	10	GigE,POE	IMX183	CMOS	2.4x2.4	1"	Rolling	M/C	29x29x42	MH-X/MT-X
A3138M/CU000E	1280x1024	201	10	USB3.0	SS	CMOS	4.0X4.0	1/2.7"	Global	M/C	29x29x29	MH-S
A3135M/CU000E	1280 x 960	33	14	USB 3.0	RJ33J4/3CA0DT	CCD	3.75x3.75	1/3"	Global	M/C	29x29x29	MH-S
A3200CU000E	1920x1080	120	10	USB 3.0	IMX290	CMOS	2.9x2.9	1/2.8"	Rolling	C	29x29x29	MH-S
A3600M/CU60E	3072x2048	60	10	USB 3.0	IMX178	CMOS	2.4x2.4	1/1.8"	Rolling	M/C	29x29x29	MH-SP
A3A20M/CU24E	4000x3000	30	10	USB 3.0	IMX226	CMOS	1.85x1.85	1/1.7"	Rolling	M/C	29x29x29	MK-M/MH-SP
A3B00M/CU000E	5472x3648	19.66	10	USB 3.0	IMX183	CMOS	2.4x2.4	1"	Rolling	M/C	29x29x29	MT-X

Note: Models with symbol “*” are latest-released products

29mm×29mm×42mm

- Support wide resolution range, covering 0.5MP~20MP
- Apply CMOS, CCD sensor. Support global/rolling shutter
- Support powerful ISP algorithms
- Support FPN, SPC
- Compatible with GigE Vision protocol, USB3.0 Vision protocol and GenICam standard
- Conform to CE, FCC and RoHS
- Superior cost efficiency

29mm×29mm×42mm

29mm×29mm×29mm

5000 Series Area Scan Cameras

Outstanding image quality

29mm×29mm×42mm

Model	Resolution	FPS	Bit depth	Interface	Sensor						Dimension (mm)	Recommended lens
					Model	Type	Pixel size (μm)	Size	Shutter	Mono /Color		
A5031M/CG300E	640x480	300	10	GigE,POE	PYTHON300	CMOS	4.8x4.8	1/4"	Global	M/C	29x29x42	MH-S
A5051M/CG200E	800x600	200	10	GigE,POE	PYTHON500	CMOS	4.8x4.8	1/3.6"	Global	M/C	29x29x42	MH-S
A5131M/CG75E	1280x1024	75	10	GigE,POE	PYTHON1300	CMOS	4.8x4.8	1/2"	Global	M/C	29x29x42	MH-S
*A5200MG000E	1624X1240	56	10	GigE,POE	IMX430	CMOS	4.5 x 4.5	1/1.7"	Global	M	29X29X42	MH-S
A5201M/CG50E	1920x1200	50	10	GigE,POE	PYTHON2000	CMOS	4.8x4.8	2/3"	Global	M/C	29x29x42	MH-M
A5501M/CG20E	2592x2048	20	10	GigE,POE	PYTHON5000	CMOS	4.8x4.8	1"	Global	M/C	29x29x42	MH-X
A5B57M/CG200E	5120x5120	4	12	GigE,POE	GMAX0505	CMOS	2.5x2.5	1.1"	Global	M/C	29x44x58	MT-M/MH-X
A5031M/CU815E	640x480	815	10	USB 3.0	PYTHON300	CMOS	4.8x4.8	1/4"	Global	M/C	29x29x29	MH-S
A5051M/CU545E	800x600	545	10	USB 3.0	PYTHON500	CMOS	4.8x4.8	1/3.6"	Global	M/C	29x29x29	MH-S
A5131M/CU210E	1280x1024	208	10	USB 3.0	PYTHON1300	CMOS	4.8x4.8	1/2"	Global	M/C	29x29x29	MH-S
A5201M/CU150E	1920x1200	150	10	USB 3.0	PYTHON2000	CMOS	4.8x4.8	2/3"	Global	M/C	29x29x29	MH-M
A5501M/CU60E	2592x2048	60	10	USB 3.0	PYTHON5000	CMOS	4.8x4.8	1"	Global	M/C	29x29x29	MH-X
A5B57M/CU200E	5120x5120	14	12	USB3.0	GMAX0505	CMOS	2.5x2.5	1.1"	Global	M/C	29x44x58	MH-X/MT-X
A5201M/CK402E	1920x1200	37.8	10	CameraLink	PYTHON2000	CMOS	4.8x4.8	2/3"	Global	M/C	29x29x43.8	MH-M

Note: Models with symbol “*” are latest-released products

29mm×44mm×58mm

- Support wide resolution range, covering 0.3MP~25MP
- Apply CMOS sensor with global shutter and high frame rate
- Support powerful ISP algorithms
- Support FPN, SPC
- Support GigE Vision protocol, USB3.0 Vision protocol, CameraLink protocol and GenICam
- Conform to CE, FCC and RoHS
- Excellent image quality

29mm×29mm×42mm

29mm×29mm×29mm

7000 Series Area Scan Cameras

Extraordinary image quality and preformance

29mm×29mm×42mm

Model	Resolution	FPS	Bit depth	Interface	Sensor						Dimension (mm)	Recommended lens
					Model	Type	Pixel size (μm)	Size	Shutter	Mono /Color		
A7040M/CG000E	720x540	300	12	GigE,POE	IMX287	CMOS	6.9x6.9	1/2.9"	Global	M/C	29x29x42	MH-S
A7160M/CG000E	1440x1080	77	12	GigE,POE	IMX273	CMOS	3.45x3.45	1/2.9"	Global	M/C	29x29x42	MH-S
A7170M/CG200E	1604x1100	66	12	GigE,POE	IMX432	CMOS	9.0x9.0	1.1"	Global	M/C	29x44x58	MH-X
A7200M/CG30E	1920x1200	38.7	12	GigE,POE	IMX249	CMOS	5.86x5.86	1/1.2"	Global	M/C	29x29x42	MH-X
A7300M/CG30E	2048x1536	36	12	GigE,POE	IMX265	CMOS	3.45x3.45	1/1.8"	Global	M/C	29x29x42	MH-S
A7500M/CG20E	2448x2048	20	12	GigE,POE	IMX264	CMOS	3.45x3.45	2/3"	Global	M/C	29x29x42	MH-M
A7500PG400E	2448x2048	24	12	GigE,POE	IMX250MZR	CMOS	3.45x3.45	2/3"	Global	P	29x29x42	MH-M
A7710M/CG200E	3208x2200	17	12	GigE,POE	IMX428	CMOS	4.5x4.5	1.1"	Global	M/C	29x44x58	MH-X
A7801MG400E	4096x2160	13	12	GigE,POE	XGS8000	CMOS	3.2x3.2	1/1.1"	Global	M	29x29x42	MH-X/MT-X
A7900M/CG13E	4096x2160	13	12	GigE,POE	IMX267	CMOS	3.45x3.45	1"	Global	M/C	29x44x58	MH-X
A7A20M/CG9E	4096x3000	9	12	GigE,POE	IMX304	CMOS	3.45x3.45	1.1"	Global	M/C	29x44x58	MH-X
A7A21MG400E	4096x3072	9	12	GigE,POE	XGS12000	CMOS	3.2x3.2	1"	Global	M	29x29x42	MH-X/MT-X
A7040M/CK402E	720x540	349	10	CameraLink	IMX287	CMOS	6.9x6.9	1/2.9"	Global	M/C	29x29x43.8	MH-S
A7300MK200E	2048x1536	188	10	CameraLink	IMX252	CMOS	3.45x3.45	1/1.8"	Global	M	29x44x58	MH-S
A7500M/CK200E	2448x2048	150	10	CameraLink	IMX250	CMOS	3.45x3.45	2/3"	Global	M/C	29x44x58	MH-M
A7500MK402E	2448x2048	37.2	12	CameraLink	IMX264	CMOS	3.45x3.45	2/3"	Global	M	29x29x43.8	MH-M
A7A20MK401E	4096x3000	20	10	CameraLink	IMX304	CMOS	3.45x3.45	1.1"	Global	M	29x29x43.8	MH-X/MT-X
A7A21MK401E	4096x3072	18	10	CameraLink	XGS12000	CMOS	3.2x3.2	1"	Global	M	29x29x43.8	MH-X/MT-X
A7A21MK200E	4096x3072	56	10	CameraLink	XGS12000	CMOS	3.2x3.2	1"	Global	M	29x44x58	MH-X/MT-X

Note : Models with symbol "*" are latest-released products.

Model	Resolution	FPS	Bit depth	Interface	Sensor						Dimension (mm)	Recommended lens
					Model	Type	Pixel size (μm)	Size	Shutter	Mono /Color		
A7040M/CU000E	720 x 540	437	10	USB 3.0	IMX287	CMOS	6.9 x 6.9	1/2.9"	Global	M/C	29x29x29	MH-S
A7200MU001E	1920x1200	38.7	12	USB 3.0	IMX249	CMOS	5.86x5.86	1/1.2"	Global	M	29x29x29	MH-S
A7200M/CU130E	1920x1200	164	10	USB 3.0	IMX174	CMOS	5.86x5.86	1/1.2"	Global	M/C	29x29x29	MH-X
A7300M/CU90E	2048x1536	120	10	USB 3.0	IMX252	CMOS	3.45x3.45	1/1.8"	Global	M/C	29x29x29	MH-S
A7500M/CU35E	2448x2048	35	12	USB 3.0	IMX264	CMOS	3.45x3.45	2/3"	Global	M/C	29x29x29	MH-M
A7500M/CU75E	2448x2048	75	10	USB 3.0	IMX250	CMOS	3.45x3.45	2/3"	Global	M/C	29x29x29	MH-M
A7900M/CU200E	4096x2160	40	10	USB 3.0	IMX255	CMOS	3.45x3.45	1"	Global	M/C	29x44x58	MH-X
A7900M/CU201E	4096x2160	32	12	USB 3.0	IMX267	CMOS	3.45x3.45	1"	Global	M/C	29x44x58	MH-X
A7A20M/CU30E	4096x3000	30	10	USB 3.0	IMX253	CMOS	3.45x3.45	1.1"	Global	M/C	29x44x58	MH-X
A7A20M/CU201E	4096x3000	23.4	12	USB 3.0	IMX304	CMOS	3.45x3.45	1.1"	Global	M/C	29x44x58	MH-X

- Support wide resolution range covering 0.4MP~12MP
- Apply Sony CMOS sensor with global shutter and high frame rate
- Support powerful ISP algorithms
- Support SPC
- Compatible with GigE Vision protocol, USB3.0 Vision protocol, CameraLink and GenICam standard
- Conform to CE, FCC and RoHS
- Extraordinary image quality

29mm×29mm×29mm

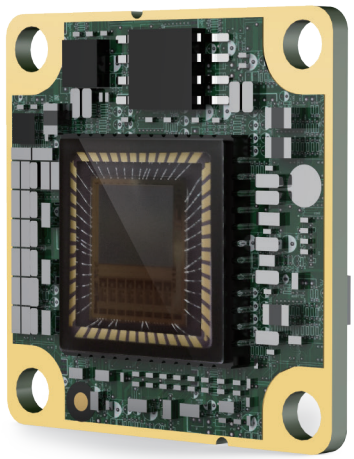
29mm×44mm×58mm

Board-level Industrial Cameras

Compact design enables easy integration

Board-level HCON Industrial Cameras

- Complete functions are avaliable on merely one compact-deisgn board
- Suitable for embedded product development
- Superior cost efficiency
- Apply CMOS sensor with global shutter and rolling shutter
- Easy installation, one FPC cable supports power supply & data transmission
- Provide source code for HCON interface drivers
- Provide full suite of development documents
- Support SPC



Model	Resolution	FPS	Bit depth	Interface	Sensor						Dimension (mm)
					Model	Type	Pixel size (μm)	Size	Shutter	Mono /Color	
AB5131MH080E	1280x1024	60	10	HCON	PYTHON1300	CMOS	4.8x4.8	1/2"	Global	M	27x27
AB3600MH080E	3072x2048	25	12	HCON	IMX178	CMOS	2.4x2.4	1/1.8"	Rolling	M	27x27
AB7500MH080E	2448x2048	30	12	HCON	IMX264	CMOS	3.45x3.45	2/3"	Global	M	26x40
AB7500CH080E	2448x2048	30	12	HCON	IMX264	CMOS	3.45x3.45	2/3"	Global	C	26x40

Board-level GigE Industrial Cameras

- Compact design, 45x45mm (without fixing structure) or 55mmx55mmx14mm(with fixing structure)
- Support C/CS/M12 mount
- Support 4-side mount
- Support powerful ISP algorithms
- Support FPN and SPC
- Compatible with GigE Vision protocol and GenICam standard
- Conform to CE, FCC and RoHS
- Superior cost efficiency

Board-level USB3.0 Industrial Cameras

- Compact structure, integrated in 35x35x19 dimension (not including lens mount and rear case connector)
- Support C/M12 lens
- Support 4-side mount
- Support strong ISP algorithms
- Support FPN and SPC
- Compatible with USB3.0 Vision protocol and GenICam standard
- Conform to CE, FCC and RoHS
- Superior cost performance

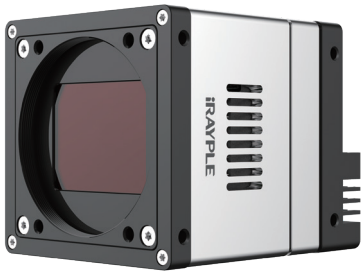
GiGE VISION USB3 VISION

Model	Resolution	FPS	Bit depth	Interface	Sensor						Dimension (mm)
					Model	Type	Pixel size (μm)	Size	Shutter	Mono/ Color	
AB3051MG020E	800x600	120	10	GigE	PYTHON480	CMOS	4.8x4.8	1/3.6"	Global	M	55x55x14
AB3600MG000E	3072x2048	18	12	GigE	IMX178	CMOS	2.4x2.4	1/1.8"	Rolling	M	55x55x14
AB3131MG023E	1280x1024	60	10	GigE	PYTHON1300	CMOS	4.8 x 4.8	1/2"	Global	M	55x55x14
AB3A04MG10E	3840x2748	10	12	GigE	MT9J003	CMOS	1.67x1.67	1/2.3"	Rolling	M	55x55x14
AB3600M/CU000E	3072x2048	60	10	USB3.0	IMX 178	COMS	2.4x2.4	1/1.8"	Rolling	M/C	35x35x19
AB3600CU010E	3072x2048	60	10	USB3.0	IMX 178	COMS	2.4x2.4	1/1.8"	Rolling	C	35x35x19
AB3138MU000E	1280x1024	201	10	USB3.0	SS	COMS	4.0x4.0	1/2.7"	Global	M	35x35x19
AB5131M/CU000E	1280x1024	208	10	USB3.0	PYTHON1300	COMS	4.8x4.8	1/2"	Global	M/C	35x35x19
*AB3A20M/CU000E	4000x3000	30	10	USB3.0	IMX226	CMOS	1.85x1.85	1/1.7"	Global	M	55x55x14

Note: Models with Symbol “*” are latest-released products.

Large Area Scan Cameras

High resolution & High frame rate



100mm×100mm×66mm

GiGE VISION CAMERA Link CoaXPress

Model	Resolution	FPS	Bit depth	Interface	Sensor						Dimension (mm)	Lens mount	Recommended lens
					Model	Type	Pixel size (μm)	Size	Shutter	Mono /Color			
A5A21M/CG9E	4096x3072	9	10	GigE	PYTHON12K	CMOS	4.5x4.5	4/3"	Global	M/C	76x76x46	M58(FBL 12.3)	MH-K
A5B51M/CG4E	5120x5120	4	10	GigE	PYTHON25K	CMOS	4.5x4.5	23.0x23.0	Global	M/C	76x76x46	M58(FBL 12.3)	F32-5035-M43
AX7C10M/CG250E	6464x4852	3.6	12	GigE	IMX342	CMOS	3.45x3.45	22.3x16.6	Global	M/C	72x72x64	M58(FBL 12)	F32-5035-M43
AX5E07M/CG250E	9344x5000	2.6	12	GigE	Customize	CMOS	3.2x3.2	29.9x16.0	Global	M/C	72x72x65	M58(FBL 12)	F46-6035-M58
AX5F57M/CG250E	9344x7000	1.7	12	GigE	GMAX3265	CMOS	3.2x3.2	29.9x22.4	Global	M/C	76x76x65	M58(FBL 12)	F46-6035-M58
AX7A20CT250E	4096x3000	68	10	10GigE	IMX253	CMOS	3.45x3.45	1.1"	Global	C	72x72x78	M58(FBL 12)	MH-X
AX5B51M/CT250E	5120x5120	43	10	10GigE	PYTHON 25K	CMOS	4.5x4.5	23.0x23.0	Global	M/C	72x72x78	M58(FBL 12)	F32-5035-M43
*AX5B57M/CT250E	9344 x 7000	17.4	12	10GigE	GMAX3265	CMOS	3.2x3.2	29.9 x 22.4	Global	M/C	72x72x80	M58(FBL 12)	F46-6035-M58
AX7C10M/CK250E	6240x4848	24.8	10	CameraLink	IMX342	CMOS	3.45x3.45	22.3x16.6	Global	M/C	72x72x64	M58(FBL 12)	F32-5035-M43
AX5E07M/CK250E	9280x4992	17.5	12	CameraLink	Customize	CMOS	3.2x3.2	29.9x16.0	Global	M/C	72x72x65	M58(FBL 12)	F46-6035-M58
AX5F57M/CK250E	9280x6992	12.5	12	CameraLink	GMAX3265	CMOS	3.2x3.2	29.9x22.4	Global	M/C	72x72x65	M58(FBL 12)	F46-6035-M58
AX7Q00MK470E	14160x10640	5.1	12	CameraLink	IMX411	CMOS	3.76x3.76	53.4x40.0	Rolling	M	100x100x66	M72(FBL 19.55)	-
AX5A22M/CX050E	4096x3072	188	12	CoaXPress- 6	CMV12000	CMOS	5.5x5.5	22.5x16.9	Global	M/C	72x72x72	M58(FBL 12)	F32-5035-M43
AX5A22M/CX060E	4096x3072	188	12	CoaXPress- 6	CMV12000	CMOS	5.5x5.5	22.5x16.9	Global	M/C	72x72x72	F	F32-5035-M43
AX5A22M/CX340E	4096x3072	188	12	CoaXPress- 6	CMV12000	CMOS	5.5x5.5	22.5x16.9	Global	M/C	80x80x47	M42(FBL 12)	F32-5035-M43
A9B57M/CX250E	5120x5120	90	12	CoaXPress- 6	GMAX0505	CMOS	2.5x2.5	1.1"	Global	M/C	72x72x68	M58(FBL 12)	MH-X/MT-X
AX5E02M/CX150E	7920x6004	30	12	CoaXPress- 6	CMV50000	CMOS	4.6x4.6	36.4x27.6	Global	M/C	72x72x96	M58(FBL 12)	F46-6035-M58
AX5E02M/CX160E	7920x6004	30	12	CoaXPress- 6	CMV50000	CMOS	4.6x4.6	36.4x27.6	Global	M/C	72x72x96	F	F46-6035-M58
*AX5E07MX250E	9344x5000	44	12	CoaXPress- 6	Customize	CMOS	3.2x3.2	29.9x16.0	Global	M	72x72x80	M58(FBL:12)	F46-6035-M58
*AX5F57MX250E	9344x7000	31	12	CoaXPress-6	GMAX3265	CMOS	3.2x3.2	29.9x22.4	Global	M	72x72x80	M58(FBL:12)	F46-6035-M58
*AX7Q10MX470E	14160x10640	6.1	12	CoaXPress- 6	IMX411	CMOS	3.76 x3.76	53.4x40.0	Rolling	M	100x100x66	M72(FBL 19.55)	-
A9B57M/CP050E	5120x5120	150	12	CoaXPress-12	GMAX0505	CMOS	2.5x2.5	1.1"	Global	M/C	80x80x72	M58(FBL 12)	MH-X/MT-X
*A9B57MP340E	5120x5120	150	12	CoaXPress-12	GMAX0505	CMOS	2.5x2.5	1.1"	Global	M/C	80x80x65	M42(FBL 12)	MH-X/MT-X
*AX5F57MP050E	9344x7000	71	10	CoaXPress-12	GMAX3265	CMOS	3.2x3.2	29.9x22.4	Global	M	80x80x72	M58(FBL:12)	F46-6035-M58

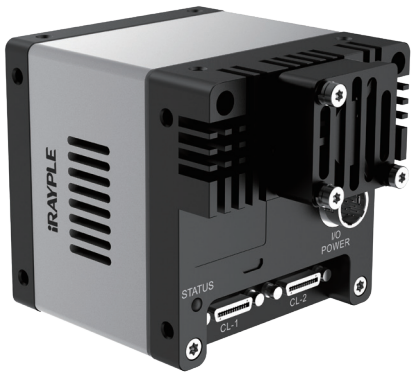
Note: Models with Symbol “*” are latest-released products.

76mm×76mm×46mm

72mm×72mm×96mm

- Compatible with GigE Vision protocol, CameraLink protocol, CoaXPress protocol and GenICam standard
- Support wide resolution range, covering 12MP~151MP
- Support Base, Medium and Full modes on CameraLink interface
- Support 4-channel CXP-6 or CXP-12 data output
- Apply high frame rate CMOS sensor with global shutter
- Support FFC/SPC, defect pixel import
- Support wide range of power supply

72mm×72mm×64mm



72mm×72mm×64mm

Line Scan Cameras

High resolution & High line rate

62mm×62mm×35.5mm

Model	Resolution	Line rate (Hz)	Bit depth	Interface	Sensor			Dimension (mm)	Lens mount	Recommended lens
					Type	Pixel size (μm)	Mono /Color			
*L5022MG141E	2048x1	49K	12	GigE	CMOS	14x14	M	62x62x35.3	M42（FBL 12）	F32-5035-M43
*L5022CG141E	2048x2	49K	12	GigE	CMOS	14x14	C	62x62x35.3	M42（FBL 12）	F32-5035-M43
*L5027MG140E	2048x1	49K	12	GigE	CMOS	14x14	M	62x62x43.5	M42（FBL 12）	F32-5035-M43
*L5027CG140E	2048x2	49K	12	GigE	CMOS	14x14	C	62x62x43.5	M42（FBL 12）	F32-5035-M43
*L5042MG141E	4096x1	28K	12	GigE	CMOS	7x7	M	62x62x35.3	M42（FBL 12）	F32-5035-M43
*L5042CG141E	4096x2	28K	12	GigE	CMOS	7x7	C	62x62x35.3	M42（FBL 12）	F32-5035-M43
*L5047MG140E	4096x1	28K	12	GigE	CMOS	7x7	M	62x62x43.5	M42（FBL 12）	F32-5035-M43
*L5047CG140E	4096x2	28K	12	GigE	CMOS	7x7	C	62x62x43.5	M42（FBL 12）	F32-5035-M43
L5082MG170E	8192x1	13K	12	GigE	CMOS	7x7	M	80x80x48	M72（FBL 12）	-
L5082MK170E	8192x1	70K	12	CameraLink	CMOS	7x7	M	80x80x48	M72（FBL 12）	-

Note: Models with Symbol “*” are latest-released products.

80mm×80mm×80mm

- Compatible with GigE Vision protocol, CameraLink protocol and GenICam standard
- Support wide resolution range, covering 2K~8K
- Support Base, Medium, Full mode on CameraLink interface
- Apply CMOS sensor with & high line rate & multiple lines
- Support FFC
- Support wide range of power supply

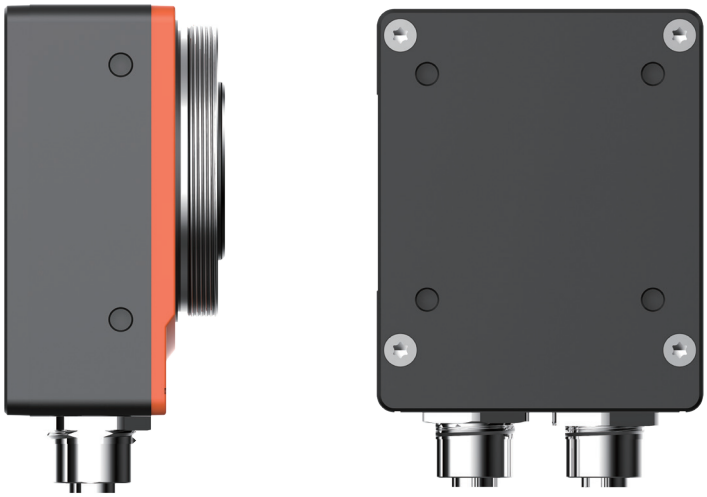
62mm×62mm×43.5mm

Movidius Smart Camera Series

Extraordinary code reading performance

68mm×55mm×28mm

Model	Resolution	FPS	Interface	Sensor					Dimension (mm)	Recommended lens
				Type	Pixel size (μm)	Size	Shutter	Mono /Color		
S5051MG000E	800x600	60	GigE	CMOS	4.8x4.8	1/3.6"	Global	M	68x55x28	MH-S
S5131MG000E	1280x1222	60	GigE	CMOS	4.8x4.8	1/2"	Global	M	68x55x28	MH-S
S5201MG000E	1920x1200	45	GigE	CMOS	4.8x4.8	2/3"	Global	M	68x55x28	MH-M
S5501MG000E	2592x2048	20	GigE	CMOS	4.8x4.8	1"	Global	M	68x55x28	MT-X
S5600MG000E	3072x2048	15	GigE	CMOS	2.4x2.4	1/1.8"	Rolling	M	68x55x28	MH-SP
S5A20MG000E	4000x3000	15	GigE	CMOS	1.85x1.85	1/1.7"	Rolling	M	68x55x28	MK-M
S5B00MG000E	5460x3648	15	GigE	CMOS	2.4x2.4	1"	Rolling	M	68x55x28	MT-X

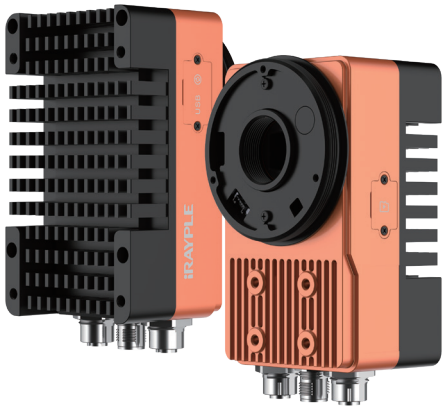


68mm×55mm×28mm

- Support 0.5MP~20MP, global/rolling shutter, CMOS series products
- Support software trigger/hardware trigger/free run mode etc.
- Support RS232/RS485, maximum 3 Opto-isolated inputs and 3 Opto-isolated outputs
- Industrial-grade M12 Connector，IP67 protection level with lens cover
- Support DC 8V~26V wide-range power supply
- Abundant code reading types, including Code128/EAN/QR/DM etc.

X86 Smart Cameras

High expensibility & practical performance



- Support Win10 OS, support secondary development
- Support VGA/USB interface and extended keyboard/mouse connection
- CMOS series product covering 1.3MP~20.0MP resolution
- 4G RAM& 64G SSD
- Support software trigger/hardware trigger/free run mode
- Support RS232 or RS485, 3 Opto-isolated inputs and 3 Opto-isolated outputs
- Support C mount and optional built-in illumination
- Industrial-grade M12 connector, IP67 protection level
- DC 12~26V wide range of power supply which is suitable for DC12V/24V industrial environment
- Embedded iRAYPLE self-developed algorithm platform to support different application scenarios

Model	Resolution	FPS	Interface	Sensor					Dimension (mm)	Recommended lens
				Type	Pixel size (μm)	Size	Shutter	Mono /Color		
SI5131MG000E	1280x1024	190	GigE	CMOS	4.8x4.8	1/2"	Global	M	62x69x132.2	MH-S
SI5201MG000E	1920x1200	150	GigE	CMOS	4.8x4.8	2/3"	Global	M	62x69x132.2	MH-M
SI5501MG000E	2592x2046	20	GigE	CMOS	4.8x4.8	1"	Global	M	62x69x132.2	MH-X
SI5500MG000E	2448x2048	35	GigE	CMOS	3.45x3.45	2/3"	Global	M	62x69x132.2	MH-M
SI5600MG000E	3072x2048	30	GigE	CMOS	2.4x2.4	1/1.8"	Rolling	M	62x69x132.2	MH-SP
SI5A20MG000E	4000x3000	20	GigE	CMOS	1.85x1.85	1/1.7"	Rolling	M	62x69x132.2	MK-M
SI5B00MG000E	5472x3648	21	GigE	CMOS	2.4x2.4	1"	Rolling	M	62x69x132.2	MH-X

Note: Models with symbol “*” are latest-released products;

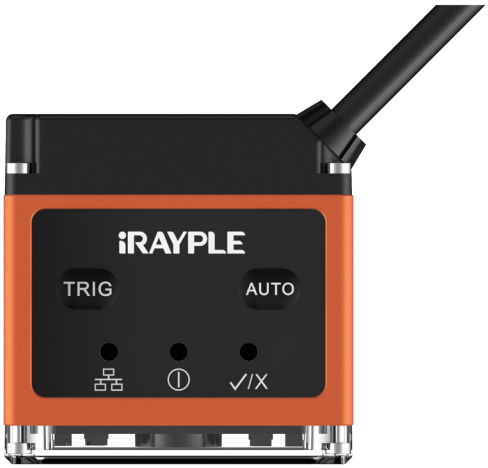
3000 Series Code Readers

Small size code reader, suitable for 3C industry

- Red / White build-in illumination
- Support IP65 protection level
- Abundant IO interfaces, Ethernet, RS232, GPIO interface
- 5 ~ 24V DC power supply types, low power consumption,less than 2.5W
- Abundant code reading types, Code128 / EAN , DM / QR, etc
- Support one click automatic training, multi-parameter polling and other functions
- Support a wide selection of accessories and have high performance on reflective, bending and other application scenarios

3000 Series Code Readers

Small code reader, suitable for 3C industry



Model	RH3124MG011E	RH3124MG011-111E	RH3124MG011-112E
Resolution	1280x960	1280x960	1280x960
Working distance	70mm	40mm	110mm
Fov	42x32mm	26x20mm	65x50mm
Max read speed	20pcs/S	20pcs/S	20pcs/S
Min resolution	1D 0.05mm/2D 0.13mm	1D 0.03mm/2D 0.09mm	1D 0.08mm/2D 0.2mm
Light source type	Red /White integrated light source		
Trigger mode	Support software trigger / external trigger / free running and other trigger modes		
Connector	Industrial grade M12 connectors are Ethernet and GPIO interfaces		
Network interface	100M Ethernet		
GPIO	RS232, 1 isolated input, 1 isolated output, 1 configurable input and output		
Communication mode	RS232, Ethernet		
Communication protocol	SDK，Serial，TCPServer，TCPClient，Profinet，Modbus TCP		
LED indicator	Power indicator, network indicator, result display indicator		
Power supply mode	Support DC24 V input, adapt to industrial voltage environment		
Power consumption	<2.0W		
Dimension	50mm x 50mm x 28mm(Cable not included)		
Weight	<150g		
Protection level	IP65		
Shell material	Aluminum alloy + front cover		
Working temperature	-20°C～+50°C		
Working humidity	20%～95%，Non condensing		
Storage temperature	-30°C～+70°C		
Software	EasyID		
Certification	CE/FCC		
Type	Code 128 / Code39 / Code93 / EAN, etc.; QR / DM / DPM, etc.		

7000 Series Code Reader

High-rate decoding, Large FOV

- Built-in deep learning algorithm, efficient and powerful algorithm performances
- Support software trigger/hardware trigger/free run mode etc.
- Support RS232/RS485 and 1 Opto-isolated inputs, 3 Opto-isolated outputs
- Industrial-grade M12 Connector, IP67 protection level with lens cover
- Support DC 24V power supply
- Up to 96 pcs of barcodes can be decoded in one FOV

Model	Resolution	FPS	Interface	Sensor					Dimension (mm)
				Type	Pixel size (μm)	Size	Shutter	Mono/ Color	
RH7B00MG000E	5440x3648	15	GigE	CMOS	2.4x2.4	1"	Rolling	M	117x69x43

Note: Models with symbol “*” are latest-released product;

AMR Code Reader

Efficient code reading performance & High frame rate

- Efficient code reading performance & High frame rate
- Embedded code reading algorithm perform with high decoding rate and high accuracy
- Support 2D code including DM-12&DM-14 etc.
- Embedded aviation plug, abundant I/O interfaces
- 5 LED indicators for debugging and status monitoring
- Support multiple UserSets to save/load or switch
- M12 lens helps code reading in large FOV
- Excellent build-in illumination design enables uniformed lighting environment

Model	Resolution	FPS	Interface	Sensor					Dimension (mm)
				Type	Pixel size (μm)	Size	Shutter	Mono/ Color	
R3051MG010E	800x600	100	GigE	CMOS	4.8x4.8	1/3.6"	Global	M	60x68x43

Note: Models with symbol "*" are latest-released product;

Intelligent Code Readers

Efficient code reading performance & High frame rate

- Simple installation,operation friendly
- Support software trigger / external trigger / free run and other trigger modes
- Abundant I/O interfaces
- Integrated cable, Application environment of DC 24V
- 24 high brightness Cree LED with overall luminance higher than 3000lux, uniform light

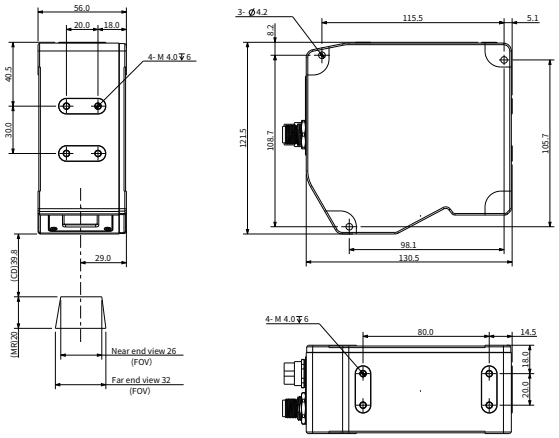
Model	Resolution	FPS	Interface	Sensor					Dimension (mm)
				Type	Pixel size (μm)	Size	Shutter	Mono/ Color	
*DH-SL2460R-S1E	3072x2048	15	GigE	CMOS	2.4x2.4	1/1.8"	Rolling	M	154.5x154.5x128
*DH-SL24A2R-S1E	4000x3000	15	GigE	CMOS	1.85x1.85	1/1.7"	Rolling	M	154.5x154.5x128

3D Laser Profile Sensor

- Support point cloud output and volume measurement
- High-accuracy measurement
- Easy field calibration
- Support secondary-development
- Abundant I/O interfaces support various trigger modes
- IP67 level protection

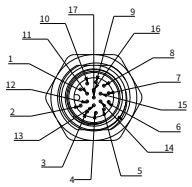
Model	D5201MG221E(D5221)
Data Points / Profile	1920
Field of View (mm)	26 - 32
Resolution X(mm)(profile data interval)	0.014-0.017
Resolution Z (mm)	0.002-0.0035
Repeatability Z(μm)	0.8
Clearance Distance (CD)(mm)	52
Measurement Range MR(mm)	20
Laser Class	2M（blue light, 405nm）
Dimension	55x120x130
Weight	900g
Scan Rate	200-500Hz
Input	Differential coder, Laser security controller，trigger signal
Output	2 digital outputs，RS-485 serial port(115k Baud)，1 analog output(4-20mA)
Operating Temperature	0°C~50 °C
Storage Temperature	-30°C ~ +80 °C
Humidity	5%-85%(No condensation)
Gasketed aluminum enclosure	IP67
Interface	GIGE
Input Voltage	DC12/24V
SDK	3D volument measurement(including configuring, calibrating and display), SDK(for secondary-developing)
Data	Volume data, 3D point cloud
Certification	CE, FCC, RoHS

Structure(unit:mm)



I/O Description

8Pin Gige interface



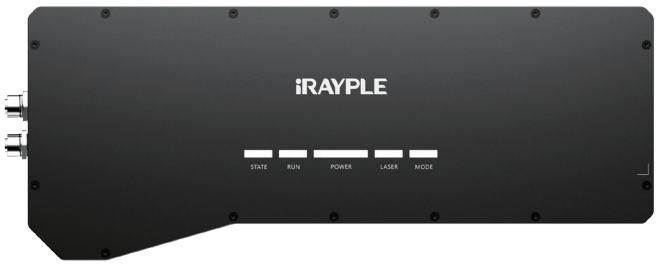
17 pin definitions

Pin	Description	Function	Remarks
1	DC24V	Power(24~48VDC)	Power
2	POWER_GND	GND	
3	OPT_IN0	Opto-isolated input 0	Opto-isolated input
4	OPT_IN1	Opto-isolated input 1	
5	OPT_IN_GND	Opto-isolated input GND	
6	OPT_OUT0	Opto-isolated output 0	Opto-isolated output
7	OPT_OUT1	Opto-isolated output 1	
8	OPT_OUT_GND	Opto-isolated output GND	
9	LASER_STOP	Laser stop urgently	Laser stop urgently
10	LASER_FB	Laser stop feedback	
11	ENCODER_B+	Differential input B+ Non-isolated single-end input	Encoder input (Configurable differential output)
12	ENCODER_B-	Differential input B-	
13	ENCODER_A+	Differential input A+ Non-isolated single-end input	
14	ENCODER_A-	Differential input A-	
15	RS232_TX	RS232 serial transmitting/RS485_B	Serial communication
16	RS232_RX	RS232 serial receiving/RS485_A	
17	SIGNAL_GND	Signal GND	Signal GND

3D Industrial Camera Series

Large FOV & High speed

- Pre-calibration during production and support high speed output of 3D measurement result in mm-level
- Configurable working distance and FOV
- Integrated with 3D calibration kits
- Maximum scale: 1000mmx1000mmx2000mm(WxHxL)
- High accurate 3D measurement: 5mmx5mmx5mm
- Output point cloud image and volume measurement data
- Abundant interfaces including GigE/Input&Output/Encoder
- Industrial level M12 connector，IP65 protection level
- Support wide-range power supply
- Directly output volume data without PC



Model	Near FOV (mm)	Far Fov (mm)	Precision (mm)	Working distance (mm)	Scale (mm)	Laser type/grade	Interface
*D5201MG100E	1000	2200	5x5x5	1000 ~1800	1000	3B	370x65.6x150

Note: Models with symbol “*” are latest released products;

3D Stereo Camera

Built-in algorithm, excellent performance

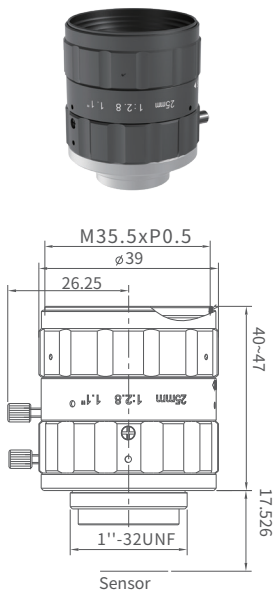
- Built-in high-precision measurement algorithm, high measurement accuracy
- Small installation space, highly integrated, cost-effective product
- Uniform and reliable speckle laser module
- Superior optical filter design, strong resistance to ambient light
- Built-in aviation plug, abundant I/O interfaces
- 4 indicator lights for debugging and status monitoring
- Industrial level M12 connector, IP65 protection level
- Support multi-camera cascade

Model	Near FOV (mm)	Far Fov (mm)	Precision (mm)	Working distance (mm)	Scale (mm)	Laser grade	Interface
*DS5131MG300E	590x540	1730x1450	5	600 ~3500	1000	2R	GigE

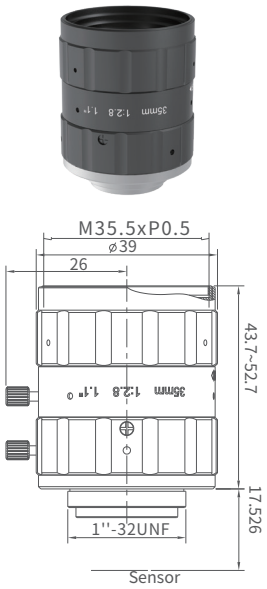
Note: Models with symbol “*” are latest released products;

MT- X series（1.1''20MP）

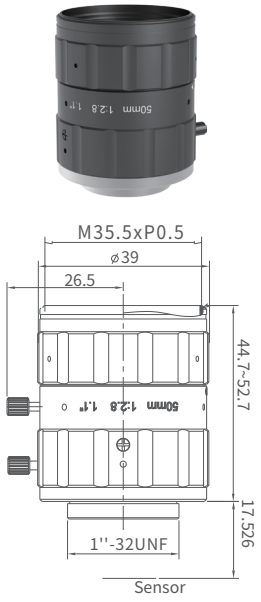
- Support up to 1.1 " camera sensors (Φ17.6mm);
- High resolution for 20 MP camera in full of view , matching 2.4μm pixel size ;
- Ultra low distorion , TV distortion less than 0.1% ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;



MT2528X



MT3528X

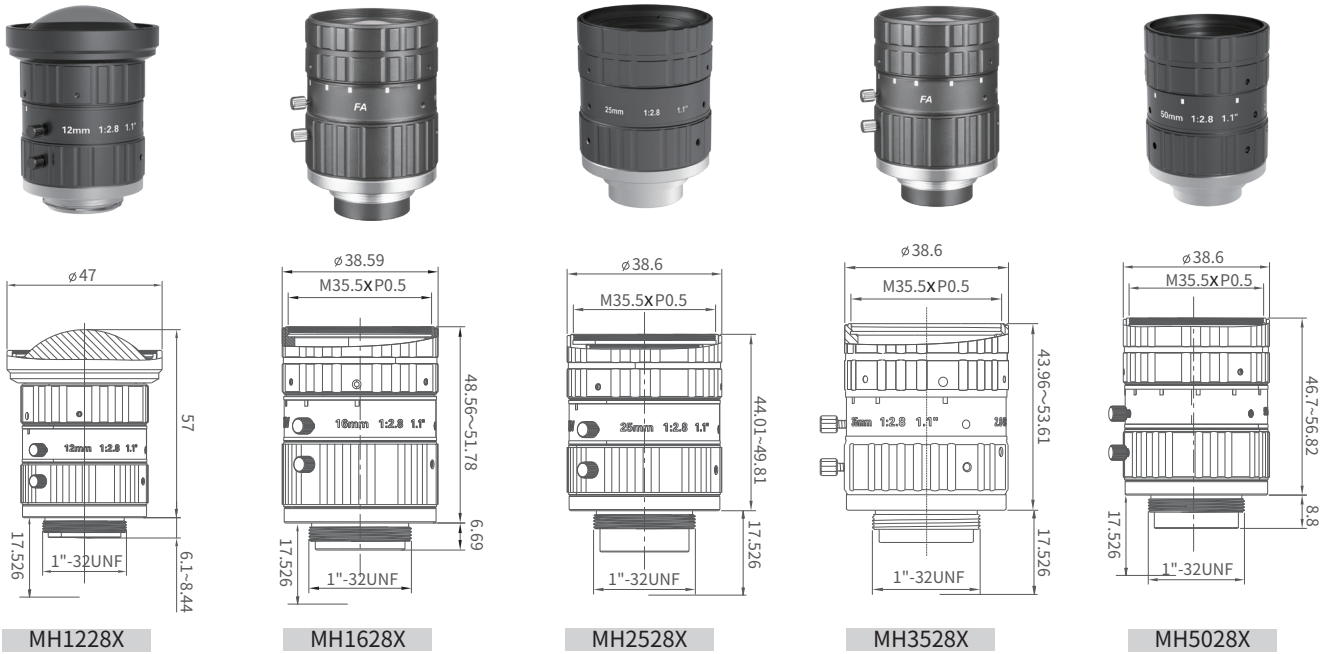


MT5028X

Model		MT2528X	MT3528X	MT5028X
Focal Length		25mm	35mm	50mm
Image Circle		Φ17.6mm	Φ17.6mm	Φ17.6mm
F#		F2.8 - F16	F2.8 - 16	F2.8 - F16
Angle of View	1.1''(14.08mmx10.56mm)	38.8°x34.7°x23.5°	28.2°x22.9°x16.9°	20.0°x16.2°x11.9°
	1''(12.44mmx9.83mm)	35.5°x28.7°x21.7°	25.8°x20.7°x15.6°	18.2°x14.6°x11.0°
Working Distance		0.15m to inf	0.2m to inf	0.25m to inf
TV Distortion		- 0.02%	- 0.07%	0.07%
Relative Illumination	F2.8	82%	93%	92%
	F4.0	82%	92%	98%
Mount		C- Mount	C- Mount	C- Mount
Dimension		47mmxΦ39mm	52.7mmxΦ39mm	52.7mmxΦ39mm
Filter Thread		M35.5xP0.5	M35.5xP0.5	M35.5xP0.5
Weight		124g	125g	117g
Working Temperature		- 20℃～50℃	- 20℃～50℃	- 20℃～50℃

MH-X series （1.1''12MP）

- Support up to 1.1 " camera sensors , (Φ17.6mm) ;
- 5 models , focal length covering from 12mm to 50mm ;
- High resolution for 12 MP camera in full of view , matching 3.45μm pixel size ;
- Ultra low distorion , TV distortion less than 0.5% ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;

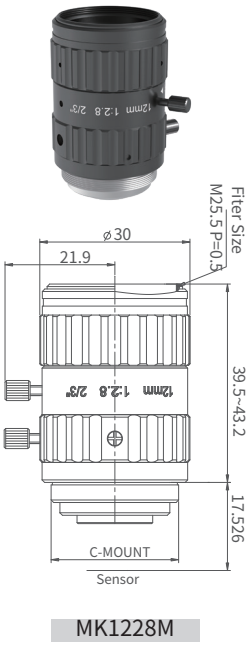


MH1228X　MH1628X　MH2528X　MH3528X　MH5028X

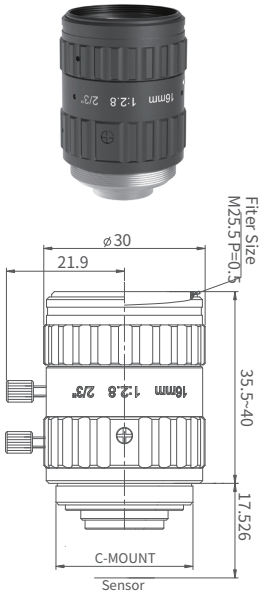
Model		MH1228X	MH1628X	MH2528X	MH3528X	MH5028X
Focal Length		12.4mm	16mm	25mm	35mm	50mm
Image Circle		Φ17.6mm	Φ17.6mm	Φ17.6mm	Φ17.6mm	Φ17.6mm
F#		F2.8- F16	F2.8 - 16	F2.8 - F16	F2.8 - 16	F2.8 - F16
Angle of View	1.1''(14.08mmx10.56mm)	70.5°x59.8°x46.3°	57.8°x47.6°x36.5°	37.3°x30.4°x23°	26.7°x21.4°x15.9°	18.4°x14.8°x11.2°
	1''(12.44mmx9.83mm)	65.7°x53.5°x43.3°	52.8°x42.5°x34.1°	33.9°x26.9°x21.4°	24.1°x18.9°x15.1°	16.7°x13.2°x10.5°
Working Distance		0.1m to inf	0.1m to inf	0.15m to inf	0.2m to inf	0.3m to inf
TV Distortion		- 0.22%	- 0.18%	- 0.20%	- 0.02%	- 0.02%
Relative Illumination	Aperture	65%	70%	60%	80%	70%
	F4.0	81%	80%	90%	90%	95%
Mount		C- Mount	C- Mount	C- Mount	C- Mount	C- Mount
Dimensions		56.99mmxΦ47mm	51.78mmxΦ38.59mm	49.81mmxΦ38.6mm	53.61mmxΦ38.6mm	56.82mmxΦ38.6mm
Filter Thread		No	M35.5xP0.5	M35.5xP0.5	M35.5xP0.5	M35.5xP0.5
Weight		186g	180g	133g	136g	134g
Working Temperature		-20°C～50°C	-20°C～50°C	-20°C～50°C	- 20°C～50°C	-20°C～50°C

MK-M series (2/3''10MP)

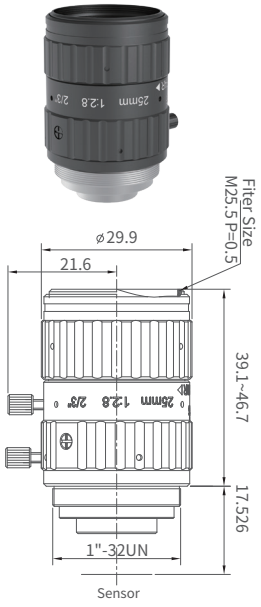
- Support up to 2/3 " camera sensors ;
- High resolution for 10 MP camera in full of view ;
- Ultra low distorion ;
- Small size structure suitable for system integration and installation ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;



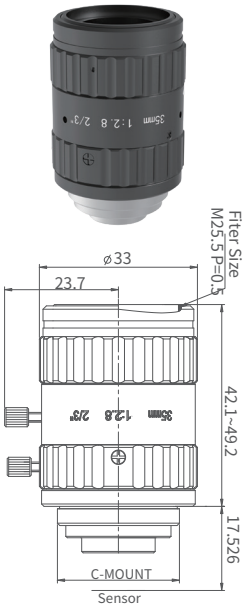
MK1228M



MK1628M



MK2528M

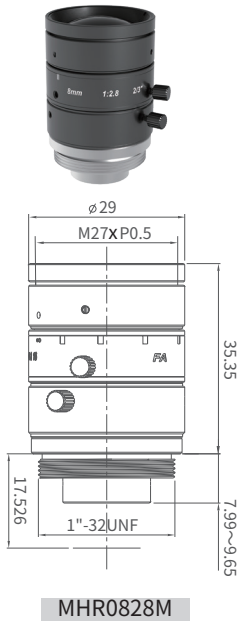


MK3528M

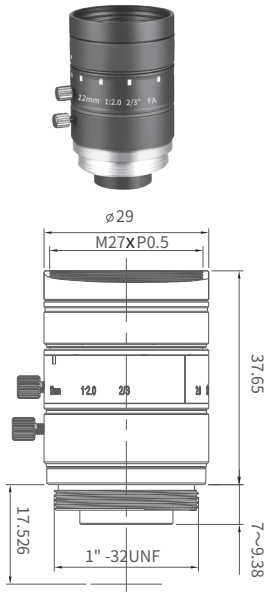
Model		MK1228M	MK1628M	MK2528M	MK3528M	MK5028M
Focal Length		12mm	16mm	25mm	35mm	50mm
Image Circle		Φ11.4mm	Φ11.4mm	Φ11.4mm	Φ11.4mm	Φ11.4mm
F#		F2.8 - 16	F2.8 - 16	F2.8 - 16	F2.8 - 16	F2.8 - 16
Angle of View	2/3''Φ11mm)	49.2°x40.2°x30.8°	37.9°x30.8°x23.3°	24.8°x20.0°x15.0°	17.9°x14.3°x10.8°	11.01°x8.5°x6.4°
	1/2''(Φ8mm)	36.9°x29.9°x22.6°	31.2°x25.3°x18.9°	18.2°x14.6°xx11.0°	13.0°x10.4°x7.8°	7.8°x6.4°x4.3°
Working Distance		0.1m to inf	0.1m to inf	0.15m to inf	0.2m to inf	0.2m to inf
TV Distortion		- 0.20%	- 0.20%	- 0.30%	0.07%	-0.08%
Relative Illumination	F2.8	64%	63%	75%	73%	89%
	F4.0	84%	88%	95%	96%	97%
Mount		C- Mount	C- Mount	C- Mount	C- Mount	C- Mount
Dimensions		43.2mmxΦ30mm	40mmxΦ30mm	46.7mmxΦ30mm	49.2mmxΦ33mm	60mmxΦ30mm
Filter Thread		M25.5xP0.5	M25.5xP0.5	M25.5xP0.5	M25.5xP0.5	M25.5xP0.5
Weight		70g	58g	66g	99g	98g
Working Temperature		- 20°C～50°C	- 20°C～50°C	- 20°C～50°C	- 20°C～50°C	- 20°C～50°C

MH-M series (2/3''8MP)

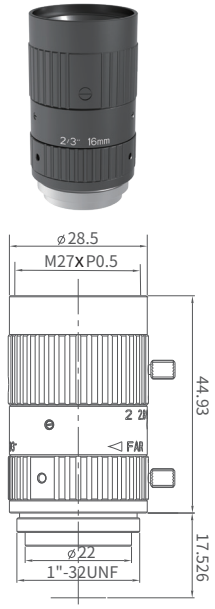
- Support up to 2/3 " camera sensors ;
- 7 models , focal length covering from 8mm to 50mm ;
- High resolution for 8 MP camera in full of view ;
- Ultra low distorion ;
- Small size structure suitable for system integration and installation ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;



MHR0828M

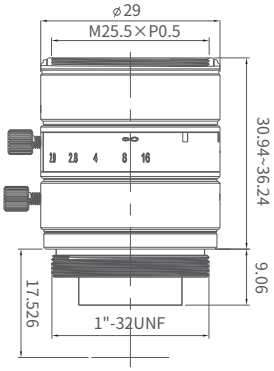


MHR1220M

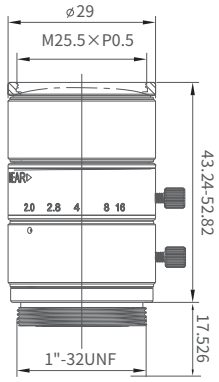


MH1620M

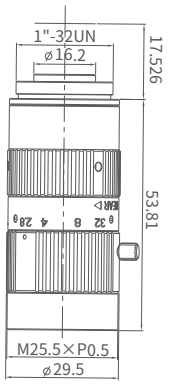
Model		MHR0828M	MHR1220M	MH1620M
Focal Length		8mm	12mm	16mm
Image Circle		Φ11.4mm	Φ11.4mm	Φ11.4mm
F#		F2.8 - 16	F2.0 - 16	F2.0 - 16
Angle of View	2/3''(8.5mmx7.12mm)	67.2°x53.2°x46.0°	48.8°x38.4°x32.5°	37.27°x30.25°x22.87°
	1/1.8''(7.37mmx4.92mm)	56.5°x47.7°x34.1°	39.9°x33.6°x22.8°	30.1°x26.2°x15.8°
Working Distance		0.1m to inf	0.15m to inf	0.2m to inf
TV Distortion		- 0.77%	- 0.01%	0.10%
Relative Illumination	Aperture	60%	60%	65%
	F4.0	90%	95%	66%
Mount		C- Mount	C- Mount	C- Mount
Dimensions		35.35mmxΦ29mm	37.65mmxΦ29mm	44.93mmxΦ29mm
Filter Thread		M27xP0.5	M27xP0.5	M27xP0.5
Weight		68.49g	61g	56g
Working Temperature		- 20°C～50°C	- 20°C～50°C	- 20°C～50°C



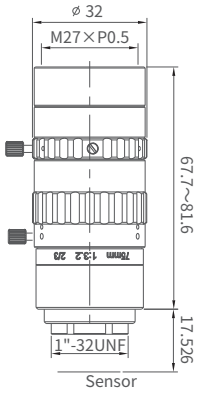
MHR2520M



MHR3520M



MH5028M

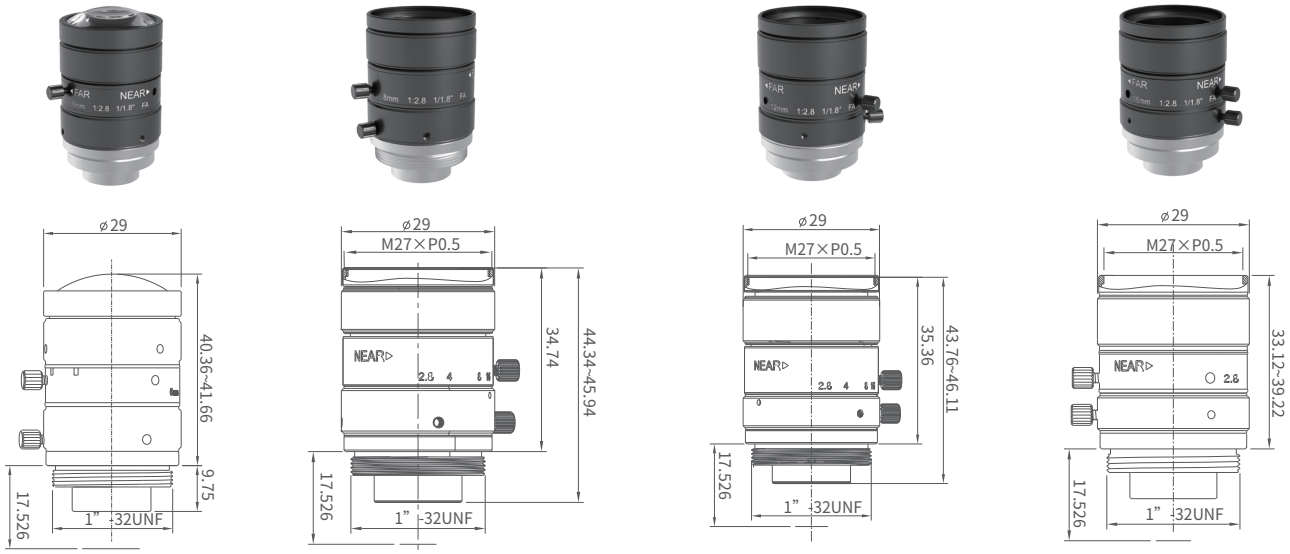


MH7532M

Model		MHR2520M	MHR3520M	MH5028M	MH7532M
Focal Length		25mm	35mm	50mm	75mm
Image Circle		Φ11.4mm	Φ11.4mm	Φ11.4mm	Φ11.4mm
F#		F2.0 - 16	F2.0 - 16	F2.8 - 32	F3.2 - 16
Angle of View	2/3''(8.5mmx7.12mm)	23.9°x18.3°x15.4°	16.49°x12.8°x10.7°	10.59°x8.48°x6.37°	8.66°x5.6°x3.7°
	1/1.8''(7.37mmx4.92mm)	19.4°x15.8°x10.7°	13.45°x11.7°x7.4°	8.5°x7.4°x4.4°	6.8°x4.8°x2.6°
Working Distance		0.2m to inf	0.2m to inf	0.4m to inf	0.15m to 0.5m
TV Distortion		- 0.04%	- 0.01%	0.05%	0.05%
Relative Illumination	Full Aperture	63%	94%	82%	88%
	F4.0	88%	96%	98%	95%
Mount		C- Mount	C- Mount	C- Mount	C- Mount
Dimensions		36.25mmxΦ29mm	43.24mmxΦ29.4mm	53.81mmxΦ29.5mm	67.6mmxΦ32mm
Filter Thread		M25.5xP0.5	M25.5xP0.5	M25.5xP0.5	M27xP0.5
Weight		58g	62.23g	69g	82g
Working Temperature		- 20℃～50℃	- 20℃～50℃	- 20℃～50℃	-20℃~50℃

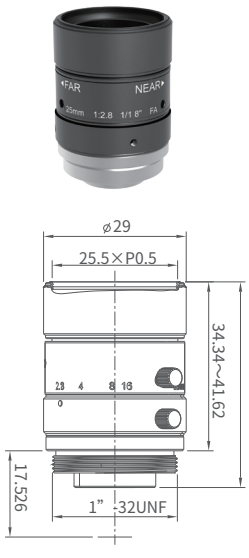
MH-SP series（1/1.8''6MP）

- Support up to 1/1.8 " camera sensors ;
- 7 models , focal length covering from 6mm to 50mm ;
- High resolution for 6 MP camera in full of view , matching 2.4μm pixel size ;
- Ultra low distorion ;
- Small size structure suitable for system integration and installation ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;

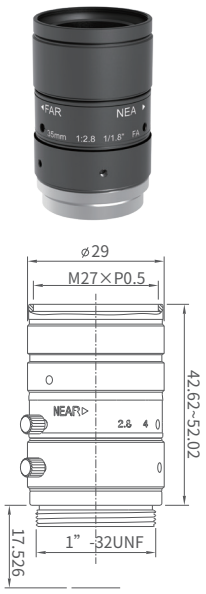


MH0628SP　MH0828SP　MH1228SP　MH1628SP

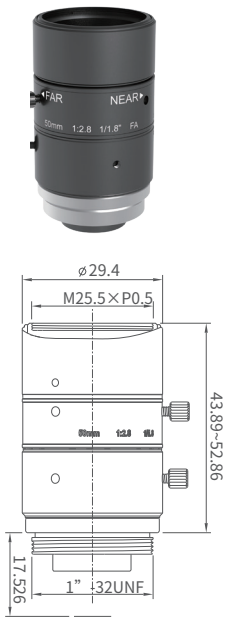
Model		MH0628SP	MH0828SP	MH1228SP	MH1628SP
Focal Length		6mm	8mm	12mm	16mm
Image Circle		Φ9.4mm	Φ9.4mm	Φ9.4mm	Φ9.4mm
F#		F2.8 - 16	F2.8 - 16	F2.8 - 16	F2.8 - 16
Angle of View	1/1.8''(7.4mmx4.9mm)	74.8°x63.5°x44.8°	58.5°x49.3°x34°	41.2°x34.4°x23.4°	31°x25.7°x17.5°
	1/2''(6.4mmx4.8mm)	68°x56.6°x43.8°	53.4°x43.5°x33.2°	37.2°x30.2°x22.8°	28°x22.3°x16.9°
Working Distance		0.08m to inf	0.1m to inf	0.1m to inf	0.1m to inf
OP-Distortion		- 0.04%	- 0.55%	- 0.04%	- 0.08%
Relative Illumination	F2.8	58%	71%	71%	88%
	F4.0	78%	86%	82%	93%
Mount		C- Mount	C- Mount	C- Mount	C- Mount
Dimensions		41.66mm xΦ29mm	34.74 xΦ29mm	35.36 xΦ29mm	39.22mm xΦ29mm
Filter Thread		No	M27xP0.5	M27xP0.5	M27xP0.5
Weight		67.34g	56.2g	54.22g	46.72g
Working Temperature		- 20°C～50°C	- 20°C～50°C	- 20°C～50°C	- 20°C～50°C



MH2528SP



MH3528SP

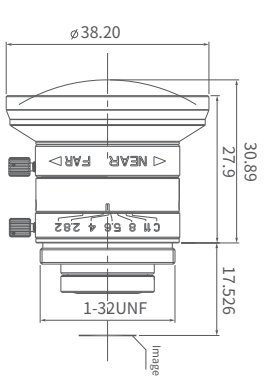


MH5028SP

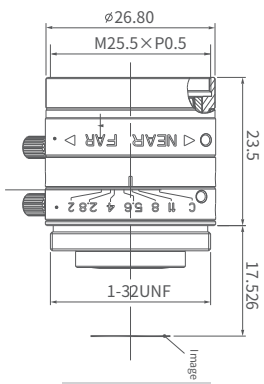
Model		MH2528SP	MH3528SP	MH5028SP
Focal Length		25mm	35mm	50mm
Image Circle		Φ9.4mm	Φ9.4mm	Φ9.4mm
F#		F2.8 - 16	F2.8 - 16	F2.8 - 16
Angle of View	1/1.8''(7.4mmx4.92mm)	19.82°x16.35°x10.96°	13.8°x11.3°x7.6°	9.7°x8.0°x5.4°
	1/2''(6.4mmx4.8mm)	17.73°x14.22°x10.69°	12.3°x9.8°x7.4°	8.7°x7.0°x5.2°
Working Distance		0.1m to inf	0.15m to inf	0.3m to inf
OP-Distortion		- 0.02%	- 0.02%	0.11%
Relative Illumination	F2.8	94%	67%	71%
	F4.0	95%	95%	80%
Mount		C- Mount	C- Mount	C- Mount
Dimensions		41.62mm xΦ29mm	52.02mm xΦ29mm	52.86mm xΦ29.4mm
Filter Thread		M25.5xP0.5	M27xP0.5	M25.5xP0.5
Weight		48.02g	58.78g	56.23g
Working Temperature		- 20℃～50℃	- 20℃～50℃	- 20℃～50℃

MH-S series（1/1.8''3MP）

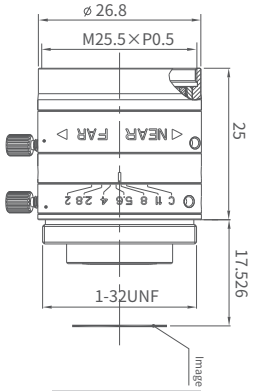
- Support up to 1/2" camera sensors ;
- 9 models , focal length covering from 4mm to 75mm ;
- High resolution for 3 MP camera in full of view ;
- Lower distortion design ;
- Small size structure suitable for system integration and installation ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;

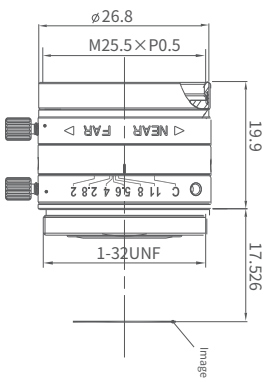
MH0420S

MH0620S

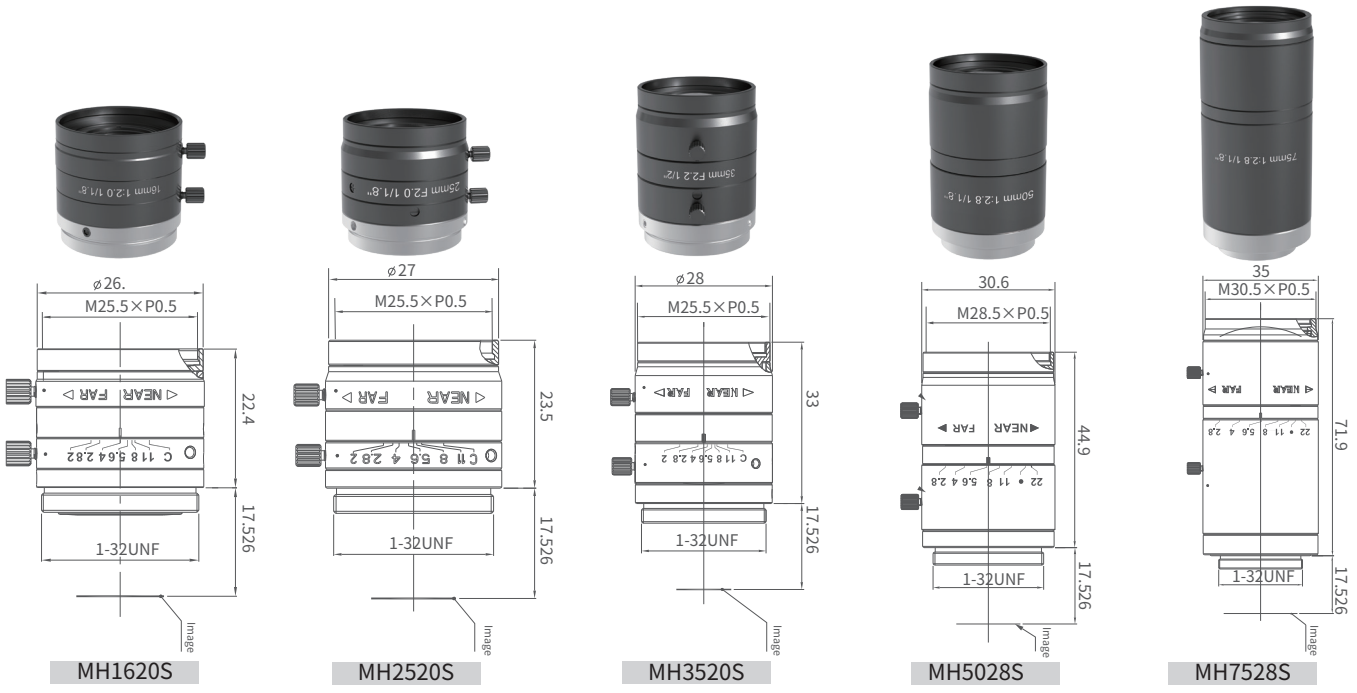



MH0820S

MH1220S

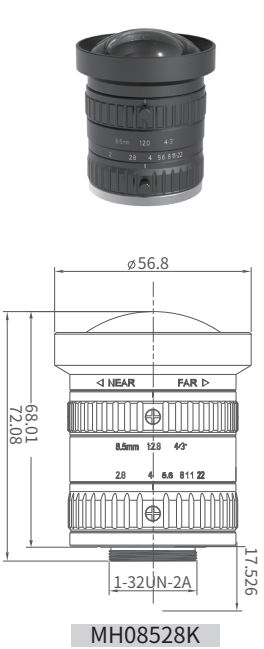
Model		MH0420S	MH0620S	MH0820S	MH1220S
Focal Length		4mm	6mm	8mm	12mm
Image Circle		Φ9mm	Φ9mm	Φ9mm	Φ9mm
F#		F2.0 - C	F2.0 - C	F2.0 - C	F2.0 - C
Angle of View	1/1.8''(7.2x5.3mm)	94.0°×82.9°×66.5°	69.8°×59.6°×46°	56°×47.2°×36.0°	40.7°×33°×24.3°
	1/2''(6.4x4.8mm)	88.3°×76.5°×61°	63.7°×53.2°×41.1°	51.3°×42.3°×32.4°	36.3°×29.5°×22.4°
Working Distance		0.1m to inf	0.1m to inf	0.1m to inf	0.1m to inf
TV Distortion		- 0.66%	- 0.10%	- 0.10%	- 0.10%
Relative Illumination	Full Aperture	43%	52%	55%	41%
	F4.0	69%	72%	66%	50%
Mount		C- Mount	C- Mount	C- Mount	C- Mount
Dimensions		30.89mm×Φ38.2mm	23.5mm×Φ26.8mm	25mm×Φ26.8mm	19.9mm×Φ26.8mm
Filter Thread		No	M25.5×P0.5	M25.5×0.5	M25.5×P0.5
Weight		32g	32g	32g	28.5g
Working Temperature		- 20℃～50℃	- 20℃～50℃	- 20℃～50℃	- 20℃～50℃



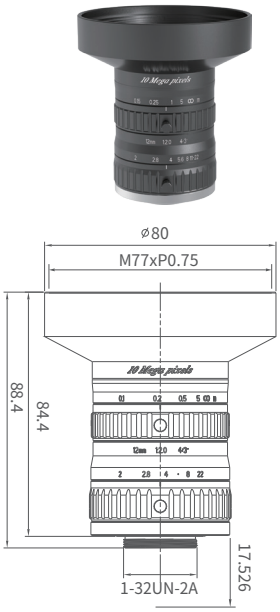
Model		MH1620S	MH2520S	MH3520S	MH5028S	MH7528S
Focal Length		16mm	25mm	35mm	50mm	75mm
Image Circle		Φ9mm	Φ9mm	Φ9mm	Φ9mm	Φ9mm
F#		F2.0 - C	F2.0 - C	F2.0 - C	F2.8 - 22	F2.8 - 22
Angle of View	1/1.8''(7.2mmx5.3mm)	27.6°×22.6°×17.4°	19.0°×14.6°×11.3°	14.6°×11.8°×8.7°	10.2°×8.2°×6.1°	6.84°×5.4°×4.04°
	1/2''(6.4mmx4.8mm)	27.5°×22.1°×16.7°	17.1°×13.7°×10.3°	12.3°×9.9°×7.4°	9.1°×7.3°×5.5°	6.1°×4.9°×3.7°
Working Distance		0.1m to inf	0.1m to inf	0.2m to inf	0.3m to inf	0.5m to inf
TV Distortion		0.05%	- 0.06%	- 0.01%	- 0.03%	0.05%
Relative Illumination	Full Aperture	63%	61%	73%	65%	90%
	F4.0	92%	90%	85%	88%	98%
Mount		C- Mount	C- Mount	C- Mount	C- Mount	C- Mount
Dimensions		22.4mm×Φ26.8mm	23.5mm×Φ27mm	33mm×Φ28mm	44.9mm×Φ30.6mm	71.9mm×Φ35mm
Filter Thread		M25.5×P0.5	M25.5×P0.5	M25.5×P0.5	M28.5×P0.5	M30.5×P0.5
Weight		30.8g	28g	45g	64.5g	110g
Working Temperature		- 20°C～50°C	- 20°C～50°C	- 20°C～50°C	- 20°C～50°C	- 20°C～50°C

MH-K series （4/3''10MP）

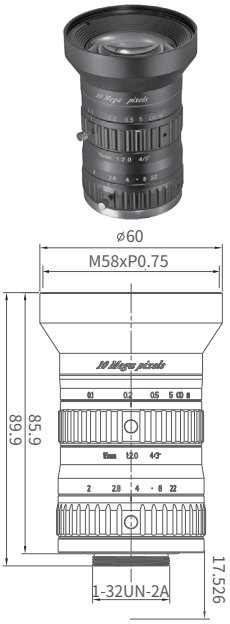
- Support up to 4/3 " camera sensors;
- 6 models , focal length covering from 8.5mm to 50mm ;
- High resolution for 10 MP camera in full of view , matching 4.5μm pixel size ;
- Low distorion , F2.0 large aperture ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;



MH08528K

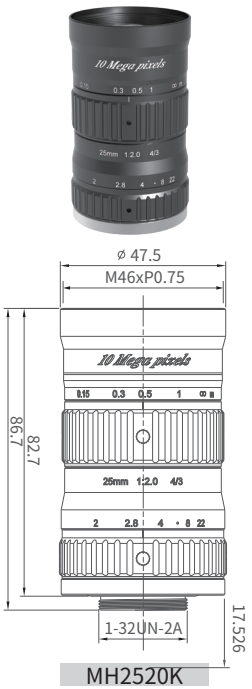


MH1220K

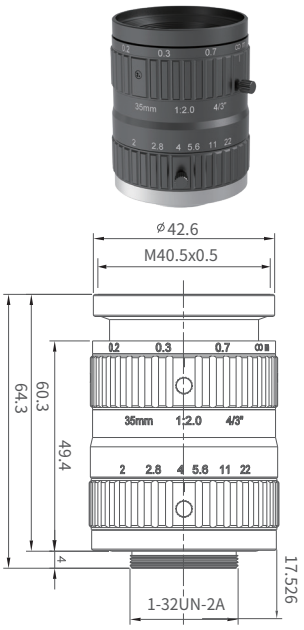


MH1620K

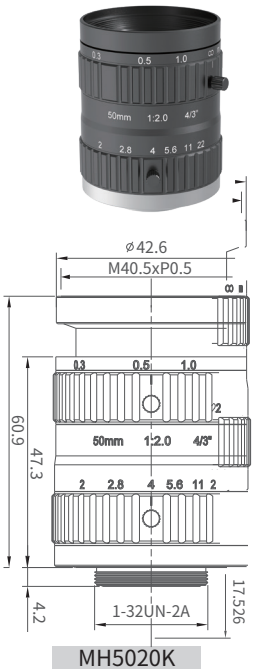
Model		MH08528K	MH1220K	MH1620K
Focal Length		8.5mm	12mm	16mm
Image Circle		Φ23mm	Φ23mm	Φ23mm
F#		F2.8 - F22	F2.0 - F22	F2.0 - F22
Angle of View	4/3''(Φ23mm)	107.4°x94.9°x80.1°	89.0°x75.5°x61.1°	72.9°x60.9°x47.3°
	1''(Φ16mm)	86.6°x73.6°x58.1°	68.9°x57.3°x44.2°	54°x44.2°x33.6°
Working Distance		0.5m to inf	0.15m to inf	0.1m to inf
TV Distortion		-0.94%	0.04%	-1.27%
Relative Illumination	Aperture	38%	43%	43%
	F4.0	43%	71%	75%
Mount		C- Mount	C- Mount	C- Mount
Dimensions		72.1mmxΦ56.8mm	84.4mm x Φ80mm	85.9mm x Φ60mm
Filter Thread		No	M77xP0.75	M58xP0.75
Weight		317g	447g	338g
Working Temperature		- 20℃～50℃	- 20℃～50℃	- 20℃～50℃



MH2520K



MH3520K

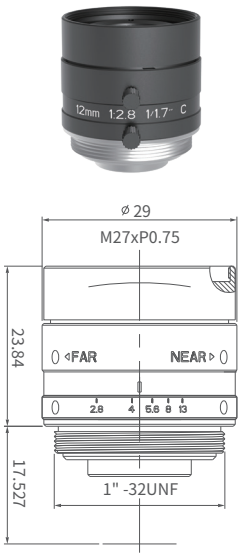


MH5020K

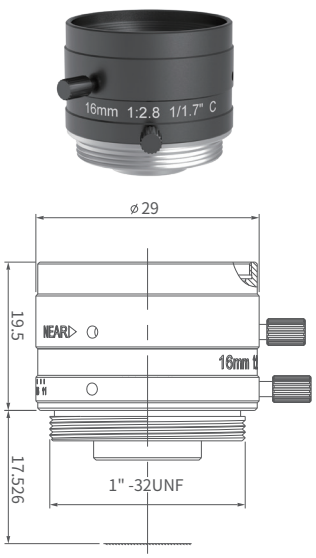
Model		MH2520K	MH3520K	MH5020K
Focal Length		25mm	35mm	50mm
Image Circle		Φ23mm	Φ23mm	Φ23mm
F#		F2.0 - F22	F2.0 - F22	F2.0 - F22
Angle of View	4/3''(Φ23mm)	49.7°x40.6°x31°	36.6°x29.6°x22.4°	25.9°x20.9°x15.7°
	1''(Φ16mm)	35.7°x28.8°x21.8°	25.9°x20.8°x15.7°	18.2°x14.6°x11.0°
Working Distance		0.15m to inf	0.2m to inf	0.3m to inf
TV Distortion		-0.25%	-0.22%	-0.11%
Relative Illumination	F2.0	38%	45%	50%
	F4.0	75%	76%	90%
Mount		C- Mount	C- Mount	C- Mount
Dimensions		82.7mm x Φ47.5mm	64.3mm x Φ44.6mm	60.9mm x Φ42.6mm
Filter Thread		M46xP0.75	M40.5 x P0.5	M40.5xP0.5
Weight		251g	173g	170g
Working Temperature		- 20℃～50℃	- 20℃～50℃	- 20℃～50℃

Industry lenses

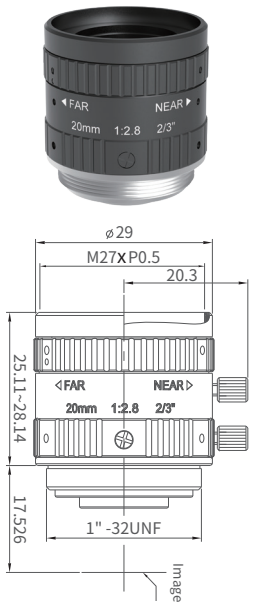
- Customized lens for code reading in logistics, cost friendly;
- High resolution , matching up to 1.85μm pixel size ;
- Low distorion , TV distortion less than 1% ;
- Small size structure suitable for system integration and installation ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;



MH1228R



MH1628R

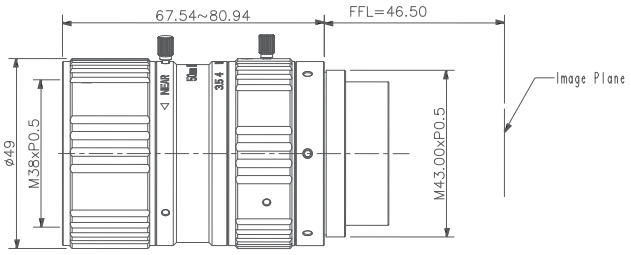


MH2028M

Model		MH1228R	MH1628R	MH2028M
Focal Length		12mm	16mm	20mm
Image Circle		ϕ9.4mm	ϕ9.4mm	ϕ9.4mm
F#		F2.8 - F13	F2.8 - F11	F2.8 - F16
Angle of View	1/1.7''(Φ9.4mm)	42.2°x34.2°x26°	33.2°x26.8°x20.3°	25°x20.1°x15.1°
	2/3''((Φ11mm)	/	/	30.8°x24.8°x18.7°
Working Distance		0.2m to inf	0.15m to inf	0.2m to inf
TV Distortion		0.34%	-0.30%	0.59%
Relative Illumination	F2.8	62%	64%	60%
	F4.0	90%	86%	86%
Mount		C- Mount	C- Mount	C- Mount
Dimensions		23.8xΦ29mm	19.5xΦ29mm	25.11mm x Φ29mm
Filter Thread		M27 x P0.5	M27 x P0.5	28.14mm
Weight		38g	35g	47.9g
Working Temperature		- 20°C～50°C	- 20°C～50°C	- 20°C～50°C

31 MP full frame

- Support up to Φ32mm camera sensors ;
- Ultra-high resolution , full-frame resolution of 31 MP camera , matching 3.45μm pixel size ;
- Ultra low distorion , TV distortion less than 0.1% ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;

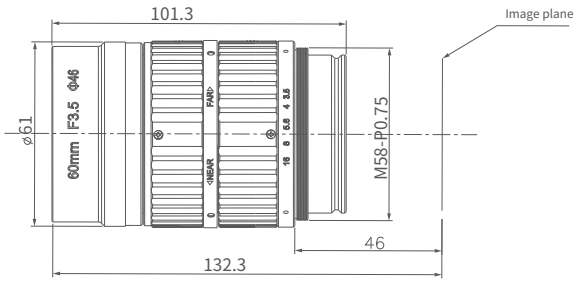


F32-5035-M43

Model		F32-5035-M43
Focal Length		50mm
Image Circle		2'' (Φ32mm)
F#		F3.5 - F11
Angle of View	2''(Φ32mm)	34.5°x28.4°x22.1°
	Φ28.6mm(4K- 7um)	30.8°
FBL		46.5mm
Working Distance		0.2m to inf
TV Distortion		0.07%
Relative Illumination	F3.5	58%
	F4.0	63%
Mount		M43xP0.5
Dimensions		80.94mmxΦ49mm
Filter Thread		M38xP0.5
Weight		406g
Working Temperature		- 20℃～50℃

65 MP full frame

- Support up to Φ46mm camera sensors ;
- Ultra-high resolution , full-frame resolution of 65 MP camera , matching 3.2μm pixel size ;
- Ultra low distorion , TV distortion less than 0.1% ;
- Stable sharpness quality when temperature varies from -20°C ~ 50°C ;



F46-6035-M58

Model		F46-6035-M58
Focal Length		60mm
Image Circle		Φ46mm
F#		F3.5 - F16
Angle of View	Φ46mm	34.9°x26.7°x23.1°
	Φ34.7mm (65MP)	28.4°x21.9°x18.8°
FBL		46mm
Working Distance		0.32m to inf
TV Distortion		- 0.03%
Relative Illumination	F3.5	62%
Mount		M58xP0.75
Dimensions		101.3mmxΦ61mm
Filter Thread		No
Weight		503g
Working Temperature		- 20°C～50°C

Accessories

Lens adapters

Model	Camera mount	Lens mount	Thread specification	Back focal length/mm
ADR-F-M42-E34.5	M42xP1	F-mount	M42xP1	34.5
ADR-F-M58-E10.2	M58xP0.75	F-mount	M58xP0.75	10.2
ADR-F-M72-E35.4	M72xP0.75	F-mount	M72xP0.75	35.4
ADR-M12-C-E5	C	M12	C Mount/M12 Standard thread	5
ADR-C-M42-E5.526	M42	C	M42xP1/C Mount Standard thread	5.526

Note：Support specifications of lens adapter

Lens filters

❶ Polarization filters

Polarization filter can effectively eliminate the reflection and prevent the reflection of the smooth surface from affecting the imaging effect.

Model	Thread parameters	Transmittance	Wavelength band	Extinction ratio
PZ- M25.5P0.5	M25.5 x P0.5mm	Tave>40%	380~780nm	>1000
PZ- M27P0.5	M27 x P0.5mm	Tave>40%	380~780nm	>1000
PZ- M30.5P0.5	M30.5 x P0.5mm	Tave>40%	380~780nm	>1000
PZ- M35.5P0.5	M35.5 x P0.5mm	Tave>40%	380~780nm	>1000
PZ- M37P0.5	M37 x P0.5mm	Tave>40%	380~780nm	>1000
PZ- M40.5P0.5	M40.5 x P0.5mm	Tave>40%	380~780nm	>1000
PZ- M43P0.5	M43 x P0.5mm	Tave>40%	380~780nm	>1000

Note：Support customized specifications of polarization filter

❷ Color filters

The filter can cut off the interference light, selectively let part of the light pass through, make the surface color more prominent or suppress a certain color feature on the surface of the object.

Model	Spectral specifications	Description
CF- M25.5P0.5- R625- 630	625- 630, T>85%	Red bandpass filter
CF- M25.5P0.5- G525- 530	525- 530, T>85%	Green bandpass filter
CF- M25.5P0.5- B465- 470	465- 470, T>85%	Blue bandpass filter
CF- M25.5P0.5- UV365	365, T>85%	Ultraviolet band pass filter
CF- M25.5P0.5- IR850	850, T>85%	Red bandpass filter

Remarks: optional size, M25.5P0.5、M27P0.5、M30.5P0.5、M35.5P0.5、M37P0.5、M40.5P0.5、M43P0.5

Note：Support custom filter specifications

Appendix 1:Reference table for working distance and magnification

◎ Table 1:MH-S series (1/1.8'' 3MP)

WD/mm	MH0420S	MH0620S	MH0820S	MH1220S	MH1620S	MH2520S	MH3520S	MH5028S	MH7528S
	Mag.	Mag.	Mag.	Mag.	Mag.	Mag.	Mag.	Mag.	Mag.
1200	0.0033	0.005	0.0067	0.01	0.013	0.021	0.029	0.043	0.063
1100	0.0036	0.0055	0.007	0.011	0.0145	0.023	0.032	0.047	0.068
1000	0.004	0.006	0.008	0.012	0.016	0.025	0.036	0.052	0.081
900	0.005	0.007	0.01	0.013	0.018	0.028	0.040	0.059	0.091
800	0.005	0.008	0.01	0.015	0.020	0.032	0.045	0.066	0.104
700	0.006	0.009	0.01	0.017	0.023	0.036	0.051	0.076	0.121
600	0.007	0.010	0.01	0.020	0.027	0.043	0.060	0.090	0.144
500	0.008	0.012	0.02	0.024	0.032	0.051	0.073	0.110	0.178
400	0.010	0.015	0.02	0.030	0.040	0.065	0.092	0.141	/
300	0.013	0.020	0.03	0.039	0.054	0.088	0.124	0.196	/
200	0.020	0.030	0.04	0.058	0.080	0.135	0.193	/	/
100	0.037	0.058	0.08	0.113	0.162	0.296	/	/	/

◎ Table 2:MH-SP series (1/1.8'' 6MP)

WD/mm	MH0628SP	MH0828SP	MH1228SP	MH1628SP	MH2528SP	MH3528SP		MH5028SP	
	Mag.	Mag.	Mag.	Mag.	Mag.	Mag.	Ext.	Mag.	Ext.
1000	0.006	0.008	0.012	0.015	0.024	0.034	0	0.048	0
900	0.007	0.009	0.013	0.017	0.027	0.038	0	0.053	0
800	0.008	0.010	0.015	0.019	0.031	0.043	0	0.060	0
700	0.009	0.011	0.017	0.022	0.035	0.049	0	0.069	0
600	0.010	0.013	0.019	0.025	0.041	0.057	0	0.082	0
500	0.012	0.016	0.023	0.030	0.049	0.069	0	0.100	0
400	0.015	0.019	0.028	0.038	0.060	0.086	0	0.127	0
300	0.020	0.025	0.037	0.050	0.080	0.116	0	0.176	0
200	0.029	0.037	0.055	0.072	0.119	0.176	0	0.263	4
100	0.054	0.067	0.102	0.134	0.224	0.346	6	0.500	17

Remarks: '/' means the lens needs to extend the ring to ensure clear focus in the near field

◎ Table 3：MH-S series（2/3'' 8MP）

WD/mm	MHR0828M	MHR1220M	MH1620M	MHR2520M		MHR3520M		MH5028M	
	Mag.	Mag.	Mag.	Mag.	Ext.	Mag.	Ext.	Mag.	Ext.
1000	0.008	0.012	0.016	0.025	0	0.035	0	0.052	0
900	0.009	0.013	0.018	0.027	0	0.039	0	0.058	0
800	0.010	0.015	0.020	0.031	0	0.044	0	0.066	0
700	0.012	0.017	0.023	0.035	0	0.051	0	0.076	0
600	0.014	0.019	0.026	0.040	0	0.060	0	0.089	0
500	0.016	0.023	0.031	0.049	0	0.072	0	0.110	0
400	0.020	0.029	0.038	0.061	0	0.092	0	0.140	0
300	0.027	0.038	0.051	0.081	0	0.125	0	0.194	3
200	0.039	0.056	0.074	0.121	0	0.196	1	0.312	10
100	0.073	0.106	/	0.224	3	0.355	5	/	/

◎ Table 4：MK-M series（2/3'' 10MP）

WD/mm	MK1228M	MK1628M	MK2528M	MK3528M	
	Mag.	Mag.	Mag.	Mag.	Ext.
1000	0.012	0.016	0.025	0.035	0
900	0.013	0.018	0.028	0.039	0
800	0.015	0.020	0.032	0.044	0
700	0.017	0.023	0.036	0.051	0
600	0.020	0.026	0.042	0.059	0
500	0.024	0.031	0.051	0.071	0
400	0.029	0.039	0.063	0.087	0
300	0.039	0.052	0.084	0.119	0
200	0.057	0.076	0.126	0.182	0
100	0.108	0.145	0.243	0.401	8

Remarks: '/' means the lens needs to extend the ring to ensure clear focus in the near field

Reference table for working distance and magnification

◎ Table 5：MH-X series (1.1'' 12MP)

WD/mm	MH1228X	MH1628X		MH2528X		MH3528X		MH5028X	
	Mag.	Mag.	Ext.	Mag.	Ext.	Mag.	Ext.	Mag.	Ext.
1000	0.012	0.016	0	0.025	0	0.034	0	0.049	0
900	0.014	0.017	0	0.027	0	0.037	0	0.055	0
800	0.015	0.019	0	0.031	0	0.042	0	0.061	0
700	0.017	0.022	0	0.035	0	0.048	0	0.071	0
600	0.020	0.026	0	0.040	0	0.056	0	0.083	0
500	0.024	0.031	0	0.048	0	0.068	0	0.100	0
400	0.029	0.038	0	0.060	0	0.085	0	0.126	0
300	0.039	0.050	0	0.078	0	0.114	0	0.171	0
200	0.056	0.073	0	0.114	0	0.171	0	0.257	5
100	0.103	0.137	0	0.211	2	0.033	5	0.530	18

◎ Table 6：MT-X series (1.1'' 20MP)

WD/mm	MT2528X		MT3528X		MT5028X	
	Mag.	Ext.	Mag.	Ext.	Mag.	Ext.
1000	0.025	0	0.036	0	0.051	0
900	0.028	0	0.040	0	0.057	0
800	0.031	0	0.044	0	0.064	0
700	0.036	0	0.051	0	0.074	0
600	0.042	0	0.059	0	0.087	0
500	0.050	0	0.072	0	0.105	0
400	0.062	0	0.090	0	0.133	0
300	0.083	0	0.121	0	0.182	0
200	0.124	0	0.184	0	0.283	5
100	0.235	5	0.360	7	0.634	20

◎ Table 7：MH-K series (4/3'' 10MP)

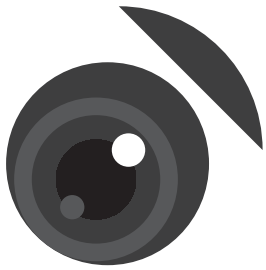
WD/mm	MH1220K	MH1620K	MH2520K	MH3520K	MH5020K
	Mag.	Mag.	Mag.	Mag.	Mag.
1000	0.012	0.016	0.026	0.036	0.050
900	0.013	0.019	0.029	0.041	0.055
800	0.015	0.022	0.032	0.047	0.062
700	0.016	0.023	0.036	0.053	0.071
600	0.020	0.027	0.042	0.062	0.083
500	0.023	0.032	0.051	0.074	0.100
400	0.028	0.039	0.063	0.096	0.125
300	0.039	0.051	0.081	0.123	0.168
200	0.057	0.079	0.117	0.210	/
150	0.096	0.107	0.145	/	/
100	0.12	0.139	/	/	/

Remarks: '/' means the lens needs to extend the ring to ensure clear focus in the near field

Appendix 2:Camera optical parameter reference table

Camera Series	Camera model name	Sensor model name	Number of pixels	Resolution	Pixel size/um	Image size	Image size/mm		
							D	H	V
3000 Serial Area Scan Cameras	A3051MG100E	PYTHON480	0.5MP	800x600	4.8	1/3.6''	4.80	3.84	2.88
	A3135M/CG000E	RJ33J4/3CA0DT	1.3MP	1280x960	3.75	1/3''	6.00	4.80	3.60
	A3124MG100E	AR0135	1.3MP	1280x960	3.75	1/3''	6.00	4.80	3.60
	A3124M/CG100E	PYTHON1300	1.3MP	1280x1024	4.8	1/2''	7.87	6.14	4.92
	A3200M/CG004E	IMX290	2MP	1920x080	2.9	1/2.8''	6.39	5.57	3.13
	A3514MG000E	MT9P031	5MP	2592x1944	2.2	1/2.5''	7.13	5.70	4.28
	A3504MG100E	AR0521	5MP	2592x1944	2.2	1/2.5''	7.13	5.70	4.28
	A3600MG18E	IMX178	6MP	3072x2048	2.4	1/1.8''	8.86	7.37	4.92
	A3A04MG10E	MT9J003	10MP	3840x2478	1.67	1/2.3''	7.63	6.41	4.14
	A3A20MG8E	IMX226	12MP	4000x3000	1.85	1/1.7''	9.25	7.40	5.55
	A3B00MG000E	IMX183	20MP	5472x3648	2.4	1''	15.78	13.13	8.76
5000 Serial Area Scan Cameras	A5031MG300E	PYTHON300	0.3MP	640x480	4.8	1/4''	3.84	3.07	2.30
	A5051MG200E	PYTHON500	0.5MP	800x600	4.8	1/3.6''	4.80	3.84	2.88
	A5131MG75E	PYTHON1300	1.3MP	1280x1024	4.8	1/2''	7.87	6.14	4.92
	A5B57MG200E	GMAX0505	25MP	5120x5120	2.5	1.1''	18.10	12.80	12.80
	A5201MG50E	PYTHON2000	2MP	1920x1200	4.8	2/3''	10.87	9.22	5.76
	A5501MG20E	PYTHON5000	5MP	2592x2048	4.8	1''	15.86	12.44	9.83
7000 Serial Area Scan Cameras	A7040MG000E	IMX287	0.4MP	720x540	6.9	1/2.9''	6.21	4.97	3.73
	A7160MG000E	IMX273	1.6MP	1440x1080	3.45	1/2.9''	6.21	4.97	3.73
	A7170MG200E	IMX432	1.7MP	1604x1100	9	1.1''	17.50	14.44	9.90
	A7200MG30E	IMX249	2MP	1920x1200	5.86	1/2''	13.27	11.25	7.03
	A7300MG30E	IMX265	3MP	2048x1536	3.45	1/1.8''	8.83	7.07	5.30
	A7500MG20E	IMX264	5MP	2448x2048	3.45	2/3''	11.01	8.45	7.07
	A7500PG400E	IMX250MZR	5MP	2448x2048	3.45	2/3''	11.01	8.45	7.07
	A7710MG200E	IMX428	7MP	3208x2200	4.5	1.1''	17.50	14.44	9.90
	A7801MG400E	XGS8000	8MP	4096x2160	3.2	1/1.1''	14.82	13.11	6.91
	A7900MG13E	IMX267	9MP	4096x2160	3.45	1''	15.98	14.13	7.45
	A7A20MG9E	IMX304	12MP	4096x3000	3.45	1.1''	17.52	14.13	10.35
	A7A21MG400E	XGS12000	12MP	4096x3072	3.2	1''	16.38	13.11	9.83
Large Area Scan Cameras	A5A21MG9E	PYTHON12K	12MP	4096x3072	4.5	4/3''	23.04	18.432	13.824
	A5B51MG4E	PYTHON25K	25MP	5120x5120	4.5	ϕ32.5mm	32.58	23.04	23.04
	AX7X20CT250E	IMX253	12MP	4096x3000	3.45	1.1''	17.52	14.13	10.35
	AX7B96MG050E	KAI29050	29MP	6576x4384	5.5	ϕ43.5mm	43.47	36.17	24.11
	AX7C10MG250E	IMX342	31MP	6464x4852	3.45	ϕ27.8mm	27.88	22.30	16.74
	AX7D36MG050E	KAI43140	43MP	8040x5360	4.5	ϕ43.5mm	43.48	36.18	24.12
	AX5E07MG250E		50MP	9344x5000	3.2	ϕ34mm	33.91	29.90	16.00
	AX5F57MG250E	GMAX3265	65MP	9344x7000	3.2	ϕ37.4mm	37.36	29.90	22.40
	AX7Q00MK470E	IMX411	151MP	14160x10640	3.76	ϕ66.7mm	66.60	53.24	40.01
Line Scan Cameras	L5042MG141E	/	4K	4096	7	ϕ28.7mm	/	28.67	/
	LH5082MG170E	/	8K	8192	7	ϕ57.3mm	/	57.34	/

iRAYPLE Camera SDK



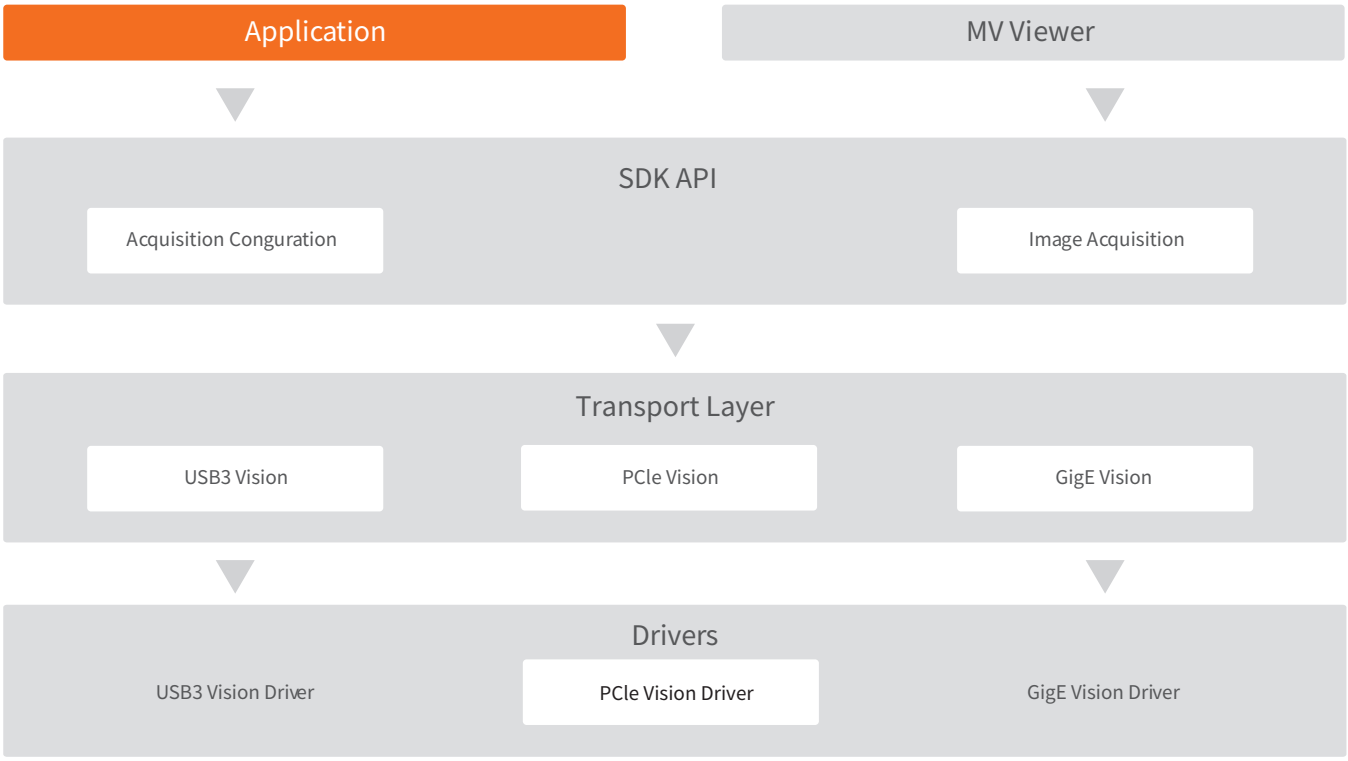
MACHINE VISION

- iRAYPLE SDK fully conforms to GenICam standards
- Transport layer is provided in manner of plug-ins, which is not visible to the applications, and more scalable
- Adequate API interfaces support secondary development with high efficiency
- Support Halcon, Sherlock, Labview and some other 3rd-party platforms
- GigE Vision high-performance driver improves the capability of integrating and processing of image data packet while reducing the CPU usage of computer
- USB3 Vision driver supports USB3.0 Vision standards, and enables high-speed image data transmission at USB3.0 bandwidth
- Users can use the MV Viewer to configure the camera parameters, grab, display and save the images

Camera Software Development Kit supports all iRAYPLE Area/Line Scan Industrial Cameras. It enables achieving stable and reliable data exchange between the industrial camera and computer, facilitating rapid secondary development for the users.

iRAYPLE SDK supports Windows/Linux 32bit/64bit platforms and includes the following modules:

- GigE Vision high-performance driver;
- USB3 Vision high-performance driver;
- SDK(Support C, C++, C#, VB.NET, Python, Delphi, Java and etc)
- MV Viewer



MAKE FACTORY SMARTER

※ This manual will provide accurate information as far as possible, but there may still be errors,for reference only.
Product information is subject to update without prior notice, and our company is not responsible for the resulting liability.

Version：202101

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