

# SMART CAMERA

## AI Detection: Precise and Efficient

### SS3000 Series Vision Sensor

#### Product Feature

- Ultra-compact body design, adaptable to various tight installation spaces and perfectly integrated with machine equipment.
- Flexible and convenient manual focusing method, suitable for various close-range application scenarios.
- 100-Mbps industrial Ethernet interface with IP65 protection rating.
- Cross-platform web access and guided configuration process, making device debugging more convenient.
- Rich I/O interfaces, including Ethernet, RS232, and GPIO, supporting multiple communication protocols.
- Built-in simple and easy-to-use operator tools for quickly implementing various detection tasks such as presence/absence, orientation, measurement, and recognition.



#### Specifications

Resolution (MP)	Product Model	Resolution	Max. Frame rate (fps)	Focal Length (mm)	Mono/Color	Working Distance (mm)	Focus Control	Light Source Type	Field of View (mm*mm)	Lens Mount	Result Indication	Power Consumption (W)	Product Dimensions (mm*mm*mm)	Weight
1.6	SS3016PMG-07H-RGF01E	1440*1080	60	7	M	40-150	Manual	Red, Polarized	30.4*22.8~111.8*83.8	M8	Orange/Green	<3.5	45*35*25.5 (Without cable)	110g
1.6	SS3016PMG-07H-WGF01E	1440*1080	60	7	M	40-150	Manual	White, Polarized	30.4*22.8~111.8*83.8	M8	Orange/Green	<3.5	45*35*25.5 (Without cable)	110g
1.6	SS3016PMG-07H-WGN01E	1440*1080	60	7	M	40-150	Manual	White, Non-polarized	30.4*22.8~111.8*83.8	M8	Orange/Green	<3.5	45*35*25.5 (Without cable)	110g
1.6	SS3016PMG-16H-RGF01E	1440*1080	60	16	M	80-200	Manual	Red, Polarized	21.7*16.3~59.0*44.2	M8	Orange/Green	<3.5	45*52*25.5 (Without cable)	140g
1.6	SS3016PMG-16H-WGF01E	1440*1080	60	16	M	80-200	Manual	White, Polarized	21.7*16.3~59.0*44.2	M8	Orange/Green	<3.5	45*52*25.5 (Without cable)	140g
1.6	SS3016PMG-16H-WGN01E	1440*1080	60	16	M	80-200	Manual	White, Non-polarized	21.7*16.3~59.0*44.2	M8	Orange/Green	<3.5	45*52*25.5 (Without cable)	140g
1.6	SS3016PMG-07H-WGF01E	1440*1080	60	7	C	40-150	Manual	White, Polarized	30.4*22.8~111.8*83.8	M8	Orange/Green	<3.5	45*35*25.5 (Without cable)	110g
1.6	SS3016PCG-07H-WGN01E	1440*1080	60	7	C	40-150	Manual	White, Unpolarized	30.4*22.8~111.8*83.8	M8	Orange/Green	<3.5	45*35*25.5 (Without cable)	110g
1.6	SS3016PCG-16H-WGF01E	1440*1080	60	16	C	80-200	Manual	White, Polarized	21.7*16.3~59.0*44.2	M8	Orange/Green	<3.5	45*52*25.5 (Without cable)	140g
1.6	SS3016PCG-16H-WGN01E	1440*1080	60	16	C	80-200	Manual	White, Unpolarized	21.7*16.3~59.0*44.2	M8	Orange/Green	<3.5	45*52*25.5 (Without cable)	140g

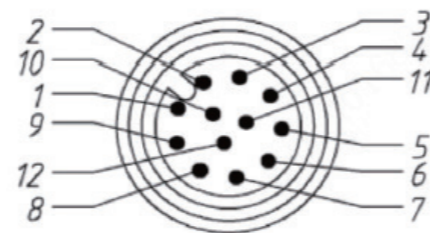
Standard Parameter

<b>Aimer</b>	Orange/Green dual-point indication
<b>LED Indicator</b>	Power, Ethernet, Result
<b>Focus Control</b>	Manual control
<b>Function</b>	Location tools: PatternMatch AI tools: AI classification Exist tools: FindLine, FindCircle, BlobExist Count Tools: BlobCount Measure Tools: Grayscale area, Contrast, Brightness, EdgeWidthTool Decton Tools: ContourCompare Recognition Tools: DataCode, BarCode, OCR, ColorRecog Logic Tools: LogicCheck, ConditionCheck, Mathermathical, StringComparison
<b>Solution Capability</b>	Supports solution import/export, with the ability to store up to 32 solutions
<b>Software</b>	Easy VS, Web
<b>Trigger Mode</b>	Internal trigger/External trigger/ Network/Serial port trigger/ Industrial ethernet trigger
<b>Connector</b>	Industrial-grade M12 connectors are Ethernet and GPIO interfaces
<b>Network Port</b>	100M Ethernet
<b>GPIO</b>	1× RS232 interface, 1× Opto-isolated input, 1× Opto-isolated output, 1 configurable input and output
<b>Communication Mode</b>	RS232, Ethernet
<b>Communication Protocol</b>	RS232,TCP Client,TCP Server,Profinet,ModbusServer,Ethernet/IP,UDP,FTP
<b>Power Supply</b>	Support 9~26VDC, 1A input
<b>Protection</b>	IP65
<b>Casing Material</b>	Aluminum alloy (excluding front cover)
<b>Operating Temperature</b>	-20° C ~ +50° C
<b>Operating Humidity</b>	20%~95%, non-condensing
<b>Storage Temperature</b>	-30° C ~ +70° C
<b>Power Consumption</b>	<11W
<b>Certification</b>	CE,KC,UL,UKCA

Connector Pin-out

Pin	Signal	Description	Cable Color
1	power	Power	Red
2	POWER_GND	Power GND	Black
3	OPT_OUTO	Opto-isolated output	Brown
4	OPT_GND	Opto-isolated GND	Purple white
5	OPT_INO	Opto-isolated input	Yellow
6	GPIO	Configurable IO	Blue
7	MD1_P	RJ45 Port	Green
8	MD1_N	RJ45 Port	Green white
9	MD1_P	RJ45 Port	Orange
10	MD1_N	RJ45 Port	Orange white
11	RS232_PXD	Received data	Purple
12	RS232_TXD	Transmit data	Grey

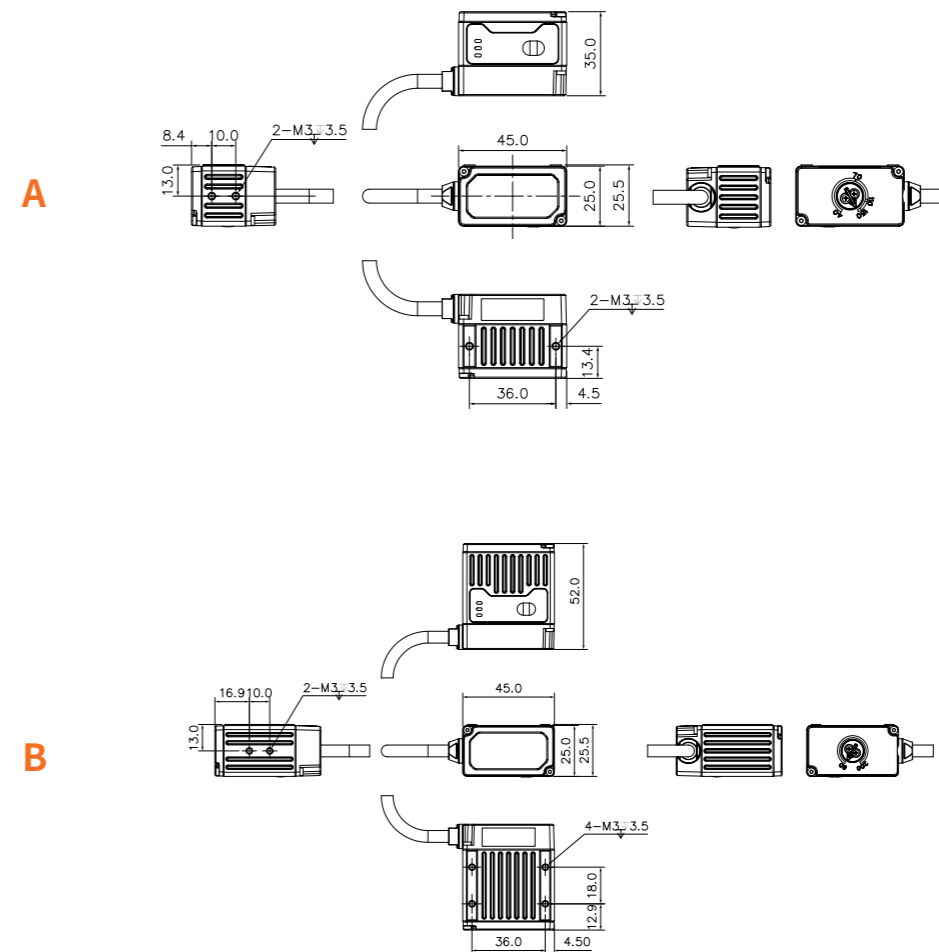
12 pin assignment on camera



Accessory Manifest

	Necessity	Model		
		Length	Standard Cable	High Flexible Cable
Power & GPIO Cable	Must	5m	CABIO-M12A12-XXRJP-05	CABIO-M12A12-XX-05D
		10m	CABIO-M12A12-XXRJP-10	CABIO-M12A12-XX-10D
		15m	CABIO-M12A12-XXRJP-15	CABIO-M12A12-XX-15D
Installation Bracket	Optional		BKT-R3002	
Adapter Bracket	Optional		BKT-R0001	

Dimensions



## SS4000 Series Vision Sensor

### Product Feature

- High-performance AI processing chips with multi-core parallel processing capabilities to realize complex image processing
- Built-in rich algorithm tools for object positioning, feature recognition, defect inspection, edge learning-based classification, etc.
- Compact design with rotatable rear connectors, suitable for narrow spaces
- Integrated design with built-in auto focus lens and multiple type multiple channel light sources, with super environmental adaptability
- Powerful image processing algorithms with simple and efficient one-click configuration
- Cross-platform Web access and guided configuration process, flexible for tuning and deployment
- Abundant IO interfaces such as Ethernet, RS232, and GPIO, support multiple communication protocols



### Specifications

Pixel	Model	Resolution	Mono/Color	Max. Frame Rate (fps)	Lens Mount	Focal Length (mm)	Focus Control	Working Distance (mm)	Field Of View (mm*mm)	Illumination Type	Result Indication	Power Consumption (W)	Product Dimension (mm*mm*mm)
1.3	SS4013MG-07M-RGG01E	1280*1024	M	60	M12	7	Auto focus	50-500	42.8*34.3~372.2*297.7	Red: Polarized/Unpolarized/Uniformed	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013MG-07M-WGG01E	1280*1024	M	60	M12	7	Auto focus	50-500	42.8*34.3~372.2*297.7	White,polarized/unpolarized/diffusion	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013MG-07M-WGN01E	1280*1024	M	60	M12	7	Auto focus	50-500	42.8*34.3~372.2*297.7	White: Unpolarized/Uniformed	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013MG-12M-RGG01E	1280*1024	M	60	M12	12	Auto focus	50-500	21.7*17.3~214.5*171.6	Red: Polarized/Unpolarized/Uniformed	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013MG-12M-WGG01E	1280*1024	M	60	M12	12	Auto focus	50-500	21.7*17.3~214.5*171.6	White,polarized/unpolarized/diffusion	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013MG-12M-WGN01E	1280*1024	M	60	M12	12	Auto focus	50-500	21.7*17.3~214.5*171.6	White: Unpolarized/Uniformed	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013CG-07M-WGG01E	1280*1024	C	60	M12	7	Auto focus	50-500	42.8*34.3~372.2*297.7	White,polarized/unpolarized/diffusion	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013CG-07M-WGN01E	1280*1024	C	60	M12	7	Auto focus	50-500	42.8*34.3~372.2*297.7	White: Unpolarized/Uniformed	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013CG-12M-WGG01E	1280*1024	C	60	M12	12	Auto focus	50-500	21.7*17.3~214.5*171.6	White,polarized/unpolarized/diffusion	Red/Green	<14	47*57.8*38 (excluding connectors)
1.3	SS4013CG-12M-WGN01E	1280*1024	C	60	M12	12	Auto focus	50-500	21.7*17.3~214.5*171.6	White: Unpolarized/Uniformed	Red/Green	<14	47*57.8*38 (excluding connectors)

**Accessory Manifest**

	Necessity	Model		
		Length	Standard Cable	High Flexible Cable
Power & GPIO Cable	Must	5m	CABIO-M12A12F-DCXX-05	CABIO-M12A12F-DCXX-05D
		10m	CABIO-M12A12F-DCXX-10	CABIO-M12A12F-DCXX-10D
		15m	CABIO-M12A12F-DCXX-15	CABIO-M12A12F-DCXX-15D
Ethernet Cable	Must	5m	CABNET-M12A4-RJ45-05	CABNET-M12A4-RJ45-05D
		10m	CABNET-M12A4-RJ45-10	CABNET-M12A4-RJ45-10D
		15m	CABNET-M12A4-RJ45-15	CABNET-M12A4-RJ45-15D
Installation Bracket	Optional		BKT-R4001	
Adapter Bracket	Optional		BKT-R0001	

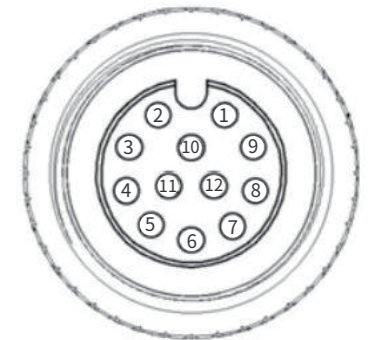
**Standard Parameter**

<b>Aiming Device</b>	Red light with dual point indication
<b>LED Indicator</b>	Power, Ethernet, Result
<b>Lens Mount</b>	M12, auto focus
<b>Function</b>	Location tools: PatternMatch AI tools: AI classification Exist tools: FindLine, FindCircle, BlobExist Count Tools: BlobCount Measure Tools: Grayscale area, Contrast, Brightness, EdgeWidthTool Dection Tools: ContourCompare Recognition Tools: DataCode, BarCode, OCR, ColorRecog Logic Tools: LogicCheck, ConditionCheck, Mathermatical, StringComparison
<b>Switch Settings (programs)</b>	Support to import/export programs , can store up to 32 programs
<b>Software</b>	Easy VS, Web
<b>Trigger Mode</b>	Internal trigger/External trigger/ Network/Serial port trigger/ Industrial ethernet trigger
<b>Connector</b>	2 industrial M12 connectors, Ethernet and GPIO
<b>Network Port</b>	100M Ethernet
<b>GPIO</b>	RS232, 2 Opto-isolated inputs, 3 Opto-isolated outputs
<b>Communication Mode</b>	RS232, Ethernet
<b>Communication Protocol</b>	TCP Client, TCP Server, FTP, RS232, profinet, Ethernet/IP, UDP
<b>Power Supply</b>	Support 9~26VDC, 1.5A input
<b>Protection</b>	IP65
<b>Casing Material</b>	Aluminum alloy (excluding front cover)
<b>Operating Temperature</b>	-20° C ~ +50° C
<b>Operating Humidity</b>	20%~95%, non-condensing
<b>Storage Temperature</b>	-30° C ~ +70° C
<b>Weight</b>	<180g
<b>Certification</b>	CE,KC,UL,UKCA

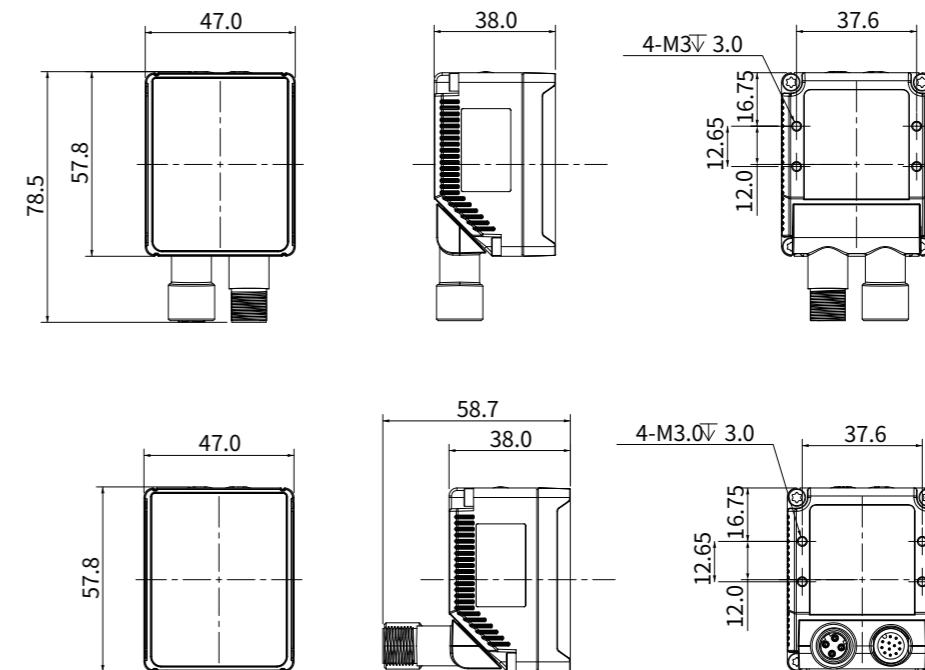
**Connector Pin-out**

Pin	Signal	Description	Cable Color
1	OPT_OUT2	Opto-isolated output2	Brown & white
2	RS232_TXD	RS232 serial send	Grey
3	RS232_RXD	RS232 serial receive	Purple
4	SIGNAL_GND	RS232 serial GND	Black & white
5	OPT_IN1	Opto-isolated input1	Yellow
6	OPT_IN_GND	Opto-isolated input GND	Purple & white
7	POWER	Power	Red
8	POWER_GND	Power GND	Black
9	OPT_OUT_GND	Opto-isolated output GND	Green
10	OPT_IN0	Opto-isolated input0	Orange
11	OPT_OUT0	Opto-isolated output0	Blue
12	OPT_OUT1	Opto-isolated output1	Brown
—	—	Shielded GND	White

12 pin assignment on camera



**Dimensions**



## SS5000 Series Vision Sensor

### Product Feature

- Equipped with an ultra-high-performance AI processing chip, it enhances processing efficiency while maintaining ease of use and flexibility.
- Integrated design with a built-in zoom lens across the entire series, enabling one-touch focusing for easy and convenient operation.
- Integrated high-power light source module, supporting optional red/white/blue/IR light sources to adapt to various near/mid/far detection scenarios.
- Cross-platform web access and guided configuration process, ensuring a smooth and convenient user experience.
- Gigabit industrial Ethernet interface, providing 1Gbps bandwidth.
- Rich I/O interfaces, including Ethernet, RS232, and GPIO, supporting multiple communication protocols.
- Built-in rich algorithm tools, capable of object positioning, feature recognition, defect detection, and classification based on deep learning.

### Specifications



A



B

Resolution (MP)	Product Model	Resolution	Max. Frame rate (fps)	Focal Length (mm)	Mono/Color	Working Distance (mm)	Focus Control	Light Source Type	Field of View (mm*mm)	Lens Mount	Result Indication	Power Consumption (W)	Dimension (mm*mm*mm)	Label
1.6	SS5016MG-08M-WGG01E	1440*1080	60	8	M	80-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	56.1*42.1~915.6*686.7	M12	Red/Green	<18	82*55*53 (excluding connectors)	A
1.6	SS5016MG-12M-WGG01E	1440*1080	60	12	M	80-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	36.3*27.2~623.8*467.8	M12	Red/Green	<18	82*55*53 (excluding connectors)	A
1.6	SS5016MG-16M-WGG01E	1440*1080	60	16	M	100-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	30.7*23.0~463.9*347.9	M12	Red/Green	<18	82*55*53 (excluding connectors)	A
1.6	SS5016MG-25M-WGG01E	1440*1080	60	25	M	250-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	46.5*34.9~295.7*221.8	M12	Red/Green	<18	82*55*53 (excluding connectors)	A
1.6	SS5016CG-08M-WGG01E	1440*1080	60	8	C	80-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	56.1*42.1~915.6*686.7	M12	Red/Green	<18	82*55*53 (excluding connectors)	A
1.6	SS5016CG-12M-WGG01E	1440*1080	60	12	C	80-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	36.3*27.2~623.8*467.8	M12	Red/Green	<18	82*55*53 (excluding connectors)	A
1.6	SS5016CG-16M-WGG01E	1440*1080	60	16	C	100-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	30.7*23.0~463.9*347.9	M12	Red/Green	<18	82*55*53 (excluding connectors)	A
1.6	SS5016CG-25M-WGG01E	1440*1080	60	25	C	250-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	46.5*34.9~295.7*221.8	M12	Red/Green	<18	82*55*53 (excluding connectors)	A
5	SS5050MG-08M-WGG01E	2368*1792	45	8	M	80-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	93.6*70.8~1543.7*1168.2	M12	Red/Green	<18	82*55*50.7 (excluding connectors)	B
5	SS5050MG-12M-WGG01E	2368*1792	45	12	M	80-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	54.5*41.3~994.6*725.7	M12	Red/Green	<18	82*55*50.7 (excluding connectors)	B
5	SS5050MG-16M-WGG01E	2368*1792	45	16	M	100-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	48.4*36.6~764.3*578.4	M12	Red/Green	<18	82*55*50.7 (excluding connectors)	B
5	SS5050MG-25M-WGG01E	2368*1792	45	25	M	250-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	75.8*57.3~485.6*367.5	M12	Red/Green	<18	82*55*50.7 (excluding connectors)	B
5	SS5050CG-08M-WGG01E	2368*1792	45	8	C	80-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	93.6*70.8~1543.7*1168.2	M12	Red/Green	<18	82*55*50.7 (excluding connectors)	B
5	SS5050CG-12M-WGG01E	2368*1792	45	12	C	80-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	54.5*41.3~994.6*725.7	M12	Red/Green	<18	82*55*50.7 (excluding connectors)	B

5	SS5050CG-16M-WGG01E	2368*1792	45	16	C	100-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	48.4*36.6~764.3*578.4	M12	Red/Green	<18	82*55*50.7 (excluding connectors)	B
5	SS5050CG-25M-WGG01E	2368*1792	45	25	C	250-1500	Auto focus	White, Polarized/Non-polarized Red/Blue/ZR light is option	75.8*57.3~485.6*367.5	M12	Red/Green	<18	82*55*50.7 (excluding connectors)	B

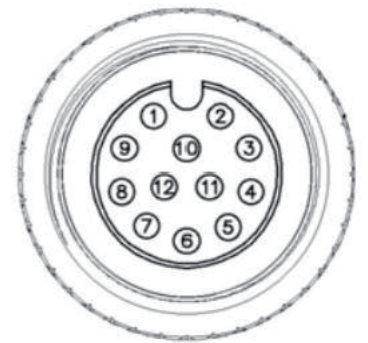
**Standard Parameter**

<b>Aimer</b>	1×Red Aimer
<b>LED Indicator</b>	Power, Ethernet, Result
<b>Focus Control</b>	Auto focus
<b>Function</b>	Location tools: PatternMatch AI tools: AI classification Exist tools: FindLine, FindCircle, BlobExist Count Tools: BlobCount Measure Tools: Grayscale area, Contrast, Brightness, EdgeWidthTool Decton Tools: ContourCompare Recognition Tools: DataCode, BarCode, OCR, ColorRecog Logic Tools: LogicCheck, ConditionCheck, Mathermatical, StringComparison
<b>Solution Capability</b>	Supports solution import/export, with the ability to store up to 32 solutions
<b>Software</b>	Easy VS, Web
<b>Trigger Mode</b>	Internal trigger/External trigger/ Network/Serial port trigger/ Industrial ethernet trigger
<b>Connector</b>	2 industrial M12 connectors, Ethernet and GPIO
<b>Network Port</b>	GigE
<b>GPIO</b>	RS232, 2 Opto-isolated inputs, 3 Opto-isolated outputs
<b>Communication Mode</b>	RS232, Ethernet
<b>Communication Protocol</b>	RS232,TCP Client,TCP Server,Profinet,ModbusServer,Ethernet/IP,UDP,FTP
<b>Power Supply</b>	Support 9~26VDC, 2A input
<b>Protection</b>	IP65
<b>Casing Material</b>	Aluminum alloy (excluding front cover)
<b>Operating Temperature</b>	-20° C ~ +50° C
<b>Operating Humidity</b>	20%~95%, non-condensing
<b>Storage Temperature</b>	-30° C ~ +70° C
<b>Net Weight</b>	<350g
<b>Certification</b>	CE, UKCA, KC

**Connector Pin-out**

Pin	Signal	Description	Cable Color
1	OPT_OUT2	Opto-isolated output2	Brown & white
2	RS232_TXD	RS232 serial send	Grey
3	RS232_RXD	RS232 serial receive	Purple
4	SIGNAL_GND	RS232 serial GND	Black & white
5	OPT_IN1	Opto-isolated input1	Yellow
6	OPT_IN_GND	Opto-isolated input GND	Purple & white
7	POWER	Power	Red
8	POWER_GND	Power GND	Black
9	OPT_OUT_GND	Opto-isolated output GND	Green
10	OPT_IN0	Opto-isolated input0	Orange
11	OPT_OUT0	Opto-isolated output0	Blue
12	OPT_OUT1	Opto-isolated output1	Brown
—	—	Shielded GND	White

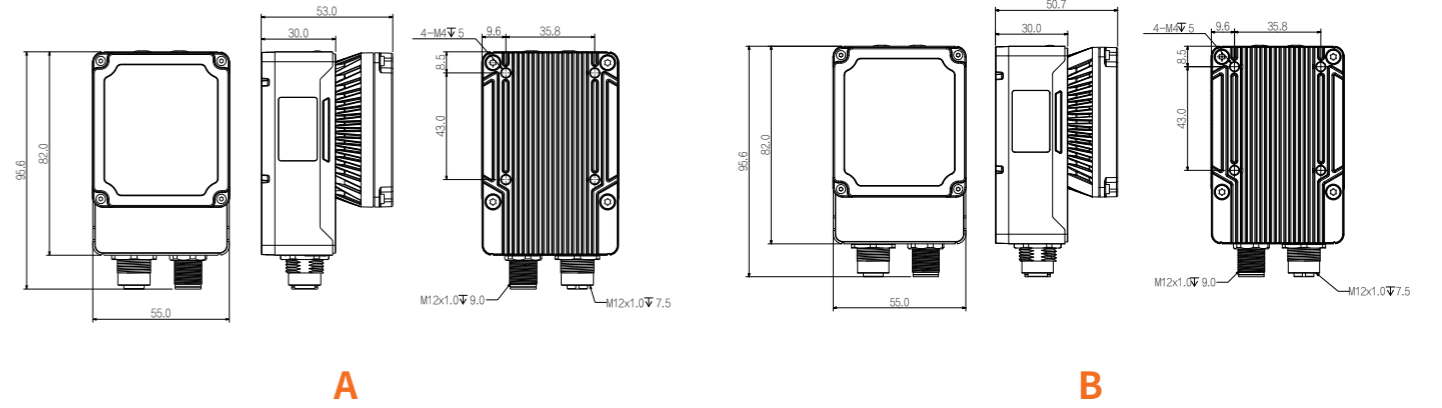
12 pin assignment on camera



**Accessory Manifest**

	Necessity	Model		
		Length	Standard Cable	High Flexible Cable
Power & GPIO Cable	Must	5m	CABIO-M12A12F-DCXX-05	CABIO-M12A12F-DCXX-05D
		10m	CABIO-M12A12F-DCXX-10	CABIO-M12A12F-DCXX-10D
		15m	CABIO-M12A12F-DCXX-15	CABIO-M12A12F-DCXX-15D
Network Cable	Must	5m	CABNET-M12A8-RJ45-05	CABNET-M12A8-RJ45-05D
		10m	CABNET-M12A8-RJ45-10	CABNET-M12A8-RJ45-10D
		15m	CABNET-M12A8-RJ45-15	CABNET-M12A8-RJ45-15D
Installation Bracket	Optional		BKT-R5001	
Adapter Bracket	Optional		BKT-R0001	

**Dimensions**



**X86 Smart Cameras Series**

**Product Feature**

- Support Win10, support secondary development
- Support VGA/USB interface and extended keyboard/mouse connection
- CMOS series product covering 5MP-20MP resolution
- 4G RAM & 64G SSD
- Support software trigger/hardware trigger/free run mode
- Support C-mount and optional built-in illumination
- GigE interface provides maximum 1G bps bandwidth
- Industrial-grade M12 connector, IP67 protection level
- Embedded self-developed algorithm platform, with a wealth of algorithm tools, Can be used for presence detection, positive and negative detection, positioning guidance, defect detection, size measurement and other scenarios



**Specifications**

Resolution (MP)	Product Model	Resolution	Max. Frame rate (fps)	Lens Mount	Network Port	Sensor					Product Dimensions (mm*mm*mm)	Recommended Lens	Power Consumption (W)
						Type	Pixel Size (μm)	Sensor Type	Shutter Mode	Mono/Color			
5	DH-MV-SI5500MG002E	2448*2048	35	C-Mount	GigE	CMOS	3.45*3.45	2/3"	Global	M	132.2*69*62 without connector	MH-M/MK-M	≤30
5	SI5501CG002E	2592*2048	35	C-Mount	GigE	CMOS	4.8*4.8	1"	Global	C	132.2*69*62 without connector	MH-X	≤30
6	DH-MV-SI5600MG002E	3072*2048	30	C-Mount	GigE	CMOS	2.4*2.4	1/1.8"	Rolling	M	132.2*69*62 without connector	A9-6MP	≤30
12	DH-MV-SI5A20MG002E	4000*3000	20	C-Mount	GigE	CMOS	1.85*1.85	1/1.7"	Rolling	M	132.2*69*62 without connector	MH	≤30
20	DH-MV-SI5B00MG002E	5472*3648	21	C-Mount	GigE	CMOS	1.85*1.85	1"	Rolling	M	132.2*69*62 without connector	MT-X	≤30

Accessory Manifest

	Necessity	Model		
		Type	Standard Cable	High Flexible Cable
Power&GPIO Cable	Must	5m	CABIO-M12A12-1XX-05	CABIO-M12A12-1XX-05D
		5m+DCfemale head+DB female head	CABIO-M12A12-1DB9-05	--
		10m	CABIO-M12A12-1D89-10	CABIO-M12A12-1XX-10D
Network Cable	Must	5m	CABNET-M12A8-RJ45-05	CABNET-M12A8-RJ45-05D
		10m	CABNET-M12A8-RJ45-10	CABNET-M12A8-RJ45-10D
		15m	CABNET-M12A8-RJ45-15	CABNET-M12A8-RJ45-15D
VGA Cable	Must	3m	CABVGA-M12A12F-USBVGA-03	CABVGA-M12A12F-USBVGA-03D

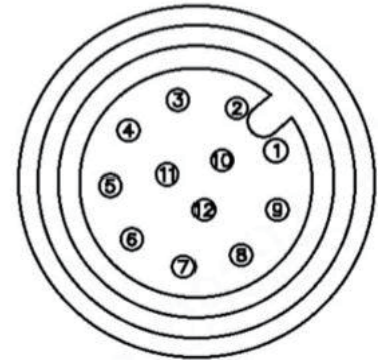
Standard Parameter

LED Indicator	5 status indicators: 1 system, 2 network and 2 user configurable indicators
Function	Built-in MVviewer industrial camera client, which allows users to conduct secondary development based on the Huarui SDK and supports customer-designed software. Embedded with the MVP algorithm platform software, it features a rich set of algorithm tools that can be used for presence/absence detection, orientation detection, positioning guidance, defect detection, dimensional measurement, and other applications.
Trigger Mode	Software trigger/Hardware trigger/Free run mode
Connector	3 physical interface: 1 GigE, 1 GPIO, 1 VGA & 1 USB port
Network Port	GigE
GPIO	RS232, 3 Opto-isolated inputs, 3 Opto-isolated outputs
Communication Mode	RS232, Ethernet
Communication Protocols	SDK, Serial, TCPServer, TCPClient, Profinet, Modbus TCP
Power Supply	DC24V
Protection	IP67 (with lens cover)
Casing Material	Aluminum alloy
Operating Temperature	-20°C~+50°C
Operating Humidity	20%~95%,non-condensing
Storage Temperature	-30°C~+70°C
Net Weight	<600 g

Connector Pin-out

Pin	Signal	Description	Cable Color
1	NA	NA	Yellow
2	NA	NA	Yellow & white
3	OPT_OUT1	Opto-isolated Output 1	Brown
4	OPT_OUT2	Opto-isolated Output 2	Brown & white
5	COM_RXD	RS232 Serial Receive	Purple
6	OPT_IN_GND	Opto-isolated Input GND	Purple & white
7	POWER	Power	Red
8	POWER_GND	Power GND	Black
9	OPT_OUT_GND	Opto-isolated output GND	Green
10	OPT_IN0	Opto-isolated Input 0	Orange
11	OPT_OUT0	Opto-isolated Output 0	Blue
12	COM_TXD	Serial port sending	Grey
—	—	Shielded GND	White

12 pin-out on camera



Dimensions

