# SC6000 Series Smart Camera

SC6000 series smart cameras are developed based on high-performance embedded processors, with powerful hardware performance and fully functional VM Algorithm Development Platform. They can meet machine vision applications such as visual positioning, size measurement, defect detection, and information recognition. The highly integrated product form brings more choices for intelligent manufacturing.

• Built in over 160 visual tools, various deep learning algorithms
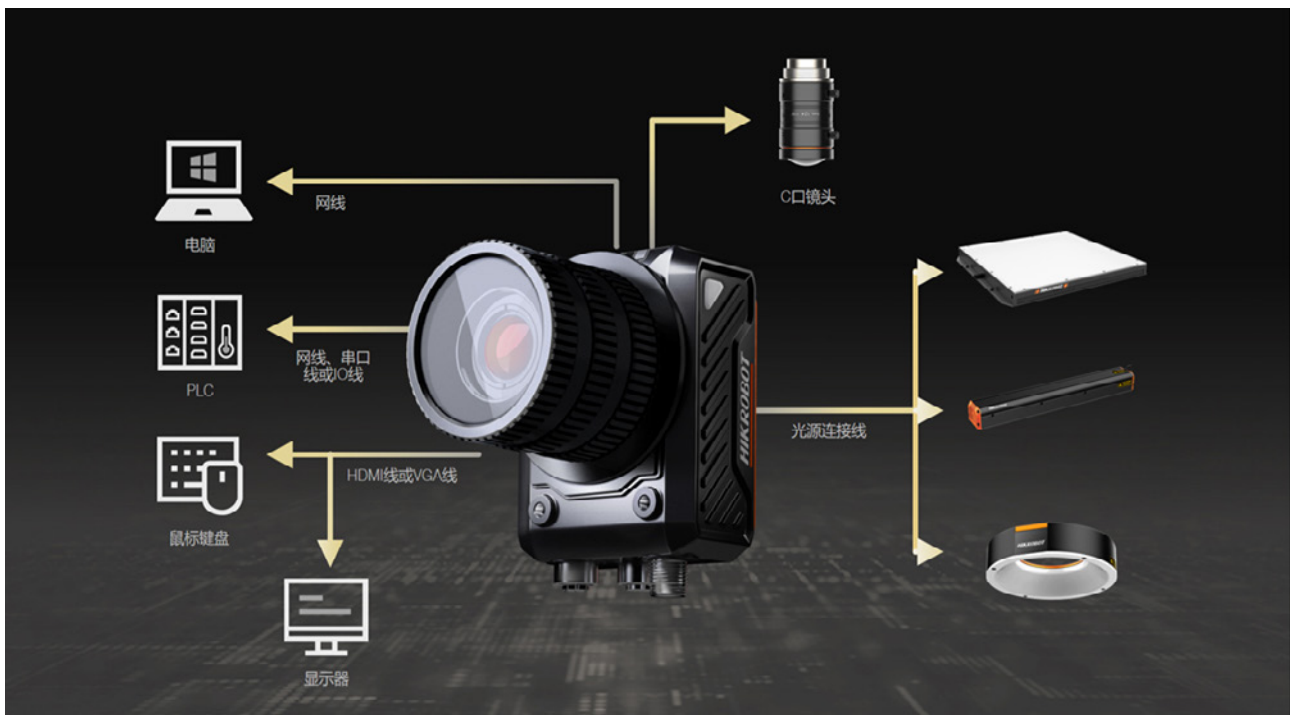
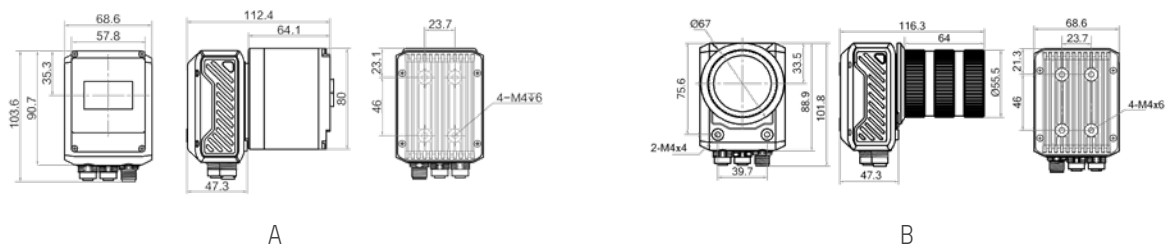• Rich interfaces, breaking through limitations

Specifications

Model	Function module	Pixel size	Sensor size	Resolution	Max. frame rate	Mono/color	Focal length	Label
MV-SC6016M	VM Platform (Including deep learning modules)	3.45 µm	1/2.53"	1408 × 1024	120 fps	Mono	6/12/16 mm	A
MV-SC6016C	VM Platform (Including deep learning modules)	3.45 µm	1/2.53"	1408 × 1024	120 fps	Color	6/12/16 mm	A
MV-SC6050M	VM Platform (Including deep learning modules)	3.45 µm	1/1.45"	2432 × 2048	80 fps	Mono	8/12/16 mm	A
MV-SC6050C	VM Platform (Including deep learning modules)	3.45 µm	1/1.45"	2432 × 2048	80 fps	Color	8/12/16 mm	A
MV-SC6016M-00C-NNN/V2	VM Platform (Including deep learning modules)	3.45 µm	1/2.53"	1408 × 1024	120 fps	Mono	/	B
MV-SC6016C-00C-NNN/V2	VM Platform (Including deep learning modules)	3.45 µm	1/2.53"	1408 × 1024	120 fps	Color	/	B
MV-SC6050M-00C-NNN/V2	VM Platform (Including deep learning modules)	3.45 µm	1/1.45"	2432 × 2048	80 fps	Mono	/	B
MV-SC6050C-00C-NNN/V2	VM Platform (Including deep learning modules)	3.45 µm	1/1.45"	2432 × 2048	80 fps	Color	/	B
MV-SC6120M-00C-NNN	VM Platform (Including deep learning modules)	3.45 µm	1/1.1"	4096 × 2944	40 fps	Mono	/	B
MV-SC6250M-00C-NNN	VM Platform (Including deep learning modules)	2.5 µm	1.1"	5120 × 5120	20 fps	Mono	/	B

Dimension

A

B

Unit:mm

List of Smart Camera Accessories

I/O Power Cables	SC2000E			SC2000A		SC3000			SC3000X/SC5000X			SC6000		
	Standard	High Flex/Super Flex	Bend	Standard	Bend	Standard	High Flex/Super Flex	Bend	Standard	High Flex/Super Flex	Bend	Standard	High Flex/Super Flex	Bend
1m	×	×	×	√	√	×	×	×	×	×	×	×	×	×
3m	√	√	√	×	×	√	√	√	√	√	×	√	√	√
5m	√	√	√	×	×	√	√	√	√	√	√	√	√	×
7m	√	√	×	×	×	√	√	×	√	×	×	√	√	×
10m	√	√	√	×	×	√	√	√	√	√	×	√	√	×
15m	√	√	×	×	×	√	√	×	√	×	×	√	√	×
20m	×	×	×	×	×	×	×	×	×	√	×	×	×	×
30m	×	×	×	×	×	×	×	×	√	×	×	×	×	×

Gigabit Ethernet Cable	SC1000/SC2000E/SC2000A/SC3000			SC3000X/SC5000X			SC6000		
	Standard	High Flex/Super Flex	Bend	Standard	High Flex/Super Flex	Bend	Standard	High Flex/Super Flex	Bend
1m	√	×	×	×	×	×	×	×	×
3m	√	√	√	√	√	×	√	√	√
5m	√	√	√	√	√	√	√	√	√
7m	√	√	×	√	×	×	√	×	×
10m	√	√	×	√	√	×	√	√	×
15m	√	√	√	√	×	×	√	×	×
20m	×	×	×	√	×	×	√	×	×
30m	√	√	×	√	×	×	√	×	×

Power Supply	Two Wire Adapter	Switching Power Supply	Adaptation Series						
			SC1000	SC2000E	SC2000A	SC3000	SC3000X	SC5000X	SC6000
12V	√	√	√	√	×	×	×	×	×
24V	√	√	√	√	√	√	√	√	√

Lens Cap	Adaptation Series						
	SC1000	SC2000E	SC2000A	SC3000	SC3000X	SC5000X	SC6000
Transparent	√	√	×	√	√	√	√
Semi-polarization	×	×	×	√	√	×	×
Polarization	×	√	√	√	√	√	√
Diffusion	×	×	×	√	√	×	×
Magnification	×	×	×	√	√	×	×
Light uniformity	×	×	×	×	√	×	√
YAG Guard	×	×	×	×	√	√	√
ESD Guard	×	×	×	×	√	√	√

Other Accessories	Adaptation Series						
	SC1000	SC2000E	SC2000A	SC3000	SC3000X	SC5000X	SC6000
Display Extension Line	×	×	×	×	×	×	√
Expansion Box	√	√	×	√	√	×	×
Touch Screen	√	√	√	√	√	√	√
Installation Board	√	√	×	√	√	√	√
IO Box	×	√	×	√	×	×	×
M-mount (6/8/12/15/16/25mm)	×	√	×	√	√	√	√
C-mount (6/8/12/16/25/35/50mm)	×	×	×	×	×	×	√
Light Source Panel (white/blue/red/near-infrared)	×	×	×	√	√	√	√
Extended Light Source	×	×	×	×	×	√	√