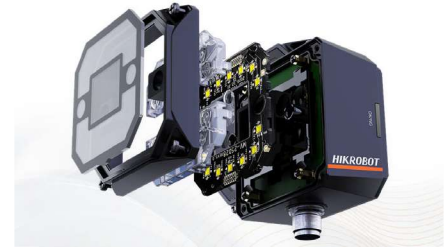# ■SC3000 Series Vision Sensor

Integrated with imaging, processing and communication functions, the SC3000 series has a more compact size and the vision detection tools lead to better performance. Equipped with a new SCMVS for on-site deployment and lower debugging requirements, bringing a more comprehensive and cost-effective choice for visual inspection!

- Comprehensive Error-proofing Detection Algorithm

- The lens, light source, protection cover and other components can be arranged arbitrarily

Specifications

Model	Vision tool	Pixel size	Sensor size	Resolution	Max. frame rate	Mono/color	Focal length
MV-SC3016M	Count: Pattern count, spot count, edge count Defect detection: Exception detection Existence: Pattern existence, spot existence, edge existence, circle existence, line existence Location: Match location, match calibration, fixture Logic tool: If module, condition judge, logic judge, combination judge, string comparison, calculator Measurement: L2L angle, diameter measurement, brightness analysis, contrast measurement, width measurement, P2L measurement, greyscale size, line angle, edge width measurement Recognition: OCR, code recognition	3.45 μm	1/2.9"	1408 × 1024	60 fps	Mono	6/12.4/14.8 mm
MV-SC3016C	Count: Pattern count, spot count, edge count Defect detection: Exception detection Existence: Pattern existence, spot existence, edge existence, circle existence, line existence Location: Match location, match calibration, fixture Logic tool: If module, condition judge, logic judge, combination judge, string comparison, calculator Measurement: Color size, L2L angle, diameter measurement, brightness analysis, contrast measurement, width measurement, P2L measurement, greyscale size, line angle, edge width measurement Recognition: OCR, color contrast, code recognition, color recognition	3.45 μm	1/2.9"	1408 × 1024	60 fps	Color	6/12.4/14.8 mm
MV-SC3050M	Count: Pattern count, spot count, edge count Defect detection: Exception detection Existence: Pattern existence, spot existence, edge existence, circle existence, line existence Location: Match location, match calibration, fixture Logic tool: If module, condition judge, logic judge, combination judge, string comparison, calculator Measurement: L2L angle, diameter measurement, brightness analysis, contrast measurement, width measurement, P2L measurement, greyscale size, line angle, edge width measurement Recognition: OCR, code recognition	3.2 μm	1/1.7"	2368 × 1760	30 fps	Mono	8/12.4/16 mm

Power Supply	Power Adapter	Switching Power Supply
Model	MSA-C1500IC12.0-18P-CN	LRS-150F-24

Lens	SC3013	SC3050
6mm	BTY0640-MP	——
8mm	——	BHYB0856-12S
12mm	BTS1240-MP	BHP1256-12S
15mm	BTS1540-01S	——
16mm	——	BHP1656-12S

Lens Cap	Model
Transparent	MV-SC3000-C-NN
Semi-polarization	MV-SC3000-C-HP
Polarization	MV-SC3000-C-FP

Display Equipment	Model
Expansion Box	MV-SV100
	MV-SV400
Touch Screen	MV-VT1010-008G50

Light source	Model
White	MV-SC3000-L-WB
Blue	MV-SC3000-L-BB
Red	MV-SC3000-L-RB
Near-infrared	MV-SC3000-L-IB

Mounting Component	Model
Standard	V020-Mounting Component