

● Standard ○ Optional — None



Product model		SRC-2000-I(S)	SRC-2000-F(S)	SRC-3000FS
Functional Safety	Safety Integrity Level	-	-	IEC 61508 SIL2
	Safety Performance Level	-	-	ISO 13849-1 Cat.3 PLd
Controller Performance	CPU	x86 Dual-core	x86 Dual-core	Cortex A72 * 2 + Cortex A53 * 4 + Cortex M4 * 2
	Internal Storage	4GB DDR3	4GB DDR3	4GB LPDDR4
	First Hard Disk	64GB SSD	64GB SSD	16GB eMMC
	Second Hard Disk	-	-	○
Digital Input & Output	Power DO	8-Way (single-loaded 24V/2A; 8-Way total load capacity ≤5A)	8-Way (single-loaded 24V/2A; 8-Way total load capacity ≤5A)	4-Way (single-loaded 24V/1A; 4-Way total load capacity ≤4A)
	DO	2-Way	2-Way	12-Way
	DI	11-Way (NPN)	11-Way (NPN)	24-Way (NPN or PNP)
Bus Interface	CAN	2-Way	2-Way	3-Way
	RS485	3-Way	3-Way	3-Way
	Battery Communication Interfaces	1-Way (RS485/RS232 optional interface)	1-Way (RS485/RS232 optional interface)	1-Way (CAN/RS485/RS232 optional interface)
	Sin/Cos Encoder Interfaces	-	-	2-Way
Internet Interface	Ethernet	6 + 1 Way Gigabit (1 is for extended Wi-Fi client)	6 + 1 Way Gigabit (1 is for extended Wi-Fi client)	Five-Way Gigabit (TSN)
	Wi-Fi	Dual-band 2.4G/5G 802.11ac 1T1X	Dual-band 2.4G/5G 802.11ac 1T1X	Dual-band 2.4G/5G 802.11ac 2T2X
	LTE/5G	-	-	○
Other Interfaces	USB2.0	2-Way	2-Way	1-Way
	USB3.0	2-Way	2-Way	2-Way
	Audio Input/Output	1/1-Way	1/1-Way	1/1-Way
Robot-Specific Functions	One-Button Power ON/OFF	1-Way	1-Way	1-Way
	Battery Switch	1-Way	1-Way	1-Way
	Emergency Stop Input	1-Way	1-Way	1-Way
	Emergency Stop Output	2-Way	2-Way	2-Way
Parameter Performance	Navigation Accuracy*	±10mm, ±1°	±10mm, ±1°	±10mm, ±1°
	Navigation Speed	≤2m/s	≤2m/s	≤2m/s
	Map Area (single frame)	≤400000m ²	≤400000m ²	≤400000m ²
Function	Basic Features	●	●	●
	Advanced Motion Model	○	○	○
	Forklift Basic Kit	-	●	○
	Wi-Fi Roaming	○	○	○
	Automatic Charging	●	●	●
	Other Advanced Features	○	○	○
Working Environment Parameters	Working Temperature & Humidity	TEMP: 0~50°C / RH: 10~90%, no compression, no condensation	TEMP: 0~50°C / RH: 10~90%, no compression, no condensation	TEMP: -30~55°C / RH: 10~90%, no compression, no condensation
	Working Voltage	22~26V/150mVpp	22~26V/150mVpp	22~55V/150mVpp
	Working Current	<2A (excluding DO output current)	<2A (excluding DO output current)	<1A (excluding DO output current)
	IP Rating	IP42	IP42	IP65
	Length * Width * Height	225*128*84mm	225*128*84mm	218*140*64.8mm
Certified Product	CE	Conform to EN 61010-1:2010, CE-EMC (IEC 61326-1) Standards	Conform to EN 61010-1:2010, CE-EMC (IEC 61326-1) Standards	Conform to EN 61010-1:2010, CE-EMC (IEC 61326-1), IEC 61508 SIL2, ISO 13849-1 Cat.3 PLd Standards

Note: Related parameters may be updated, please pay attention to the product manual.

*Navigation accuracy usually refers to the repeatability accuracy that a robot navigates to the station.