

CR16 COLLABORATIVE ROBOT

Cobot for Heavy Duty Tasks

The CR16 has a maximum payload of 16 kg and max operating speed of 3 m/s. Compatible with a wide range of Dobot+ ecosystem plug and play accessories, CR16 is ideal for handling heavy objects and improving palletizing efficiency.

Weight		40 kg
Maximum Payload		16 kg
Working Radius		1000 mm
Maximum Reach		1223 mm
Rated Voltage		DC48V
Maximum Speed of TCP		3 m/s
Range of Motion	J1	±360°
	J2	±360°
	J3	±160°
	J4	±360°
	J5	±360°
	J6	±360°
Maximum Joint Speed	J1/J2	120° /s
	J3/J4/J5/J6	180° /s
End-Effector I/O Interface	DI/DO/AI	2
	AO	0
Communication Interface	Communication	RS485
Controller I/O	DI	16
	DO/DI	16
	AI/AO	2
	ABZ Incremental Encoder	1
Repeatability		±0.03 mm
Communication		TCP/IP, Modbus, Wi-Fi
IP Rating		IP54, Control Box IP20 (IP66 available upon choice)
Temperature		0° ~ 45° C
Power Consumption		350W
Materials		Aluminum alloy, ABS plastic



APPLICATION SCENARIOS

- Welding
- Paletizing
- Loading and unloading
- Assembly
- Bin Picking
- Gluing
- Polishing
- Quality Inspection
- Screwdriving
- Transporting

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