

1. Bus servo installation and interface



servo front



servo back



Steering wheel and bearing

Installation diagram:



Bus servo interface:



The 15kg bus servo possess two interfaces, and the functions of these two interfaces are exactly the same, and multiple steering gears can form a multi-level combination.

Product name: YB-SD15M serial bus intelligent servo
Brand: Yahboom
Product size: 44.37*23.06*35.12mm
Locked-rotor torque: $\geq 15\text{kgf.cm}$ at 7.4V
Rotation range: $300^\circ \pm 15^\circ$ (96~4000)
No-load current: $\leq 310\text{mA}$ at 7.4V
Locked rotor current: $\leq 3.2\text{A}$ at 7.4V
Servo accuracy: $\leq 1^\circ$
Rotation speed: $\leq 0.30\text{ Sec}/60^\circ$ at 7.4V
Control angle range: $300^\circ \pm 15^\circ$ (96~4000)
Applicable scenarios: Bionic robot joints of robotic arms and manipulators
Readback function: support to read back information such as servo position and status
Product weight: $50 \pm 1\text{g}$
Working voltage: 6.0~7.4V
Control method: UART serial command
Communication baud rate: 115200
Storage: Servo settings are automatically saved when power off
Servo ID: 1~250, the default is 1
Protection: locked rotor 3 seconds into protection
Parameter feedback: abnormal feedback, position
Gear type: Metal gear set
Matching line length: 20cm
Interface model: PH2.0-3Pin

