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INDUSTRIAL PRODUCT DATASHEET

Fashionstar HX8-U51H-M Servo

Fashionstar HX8-U51H-M Servo is a 12V 50kg D-shaft serial bus servo with bracket that integrates brushless motor, reducer, magnetic absolute encoder and controller.

SKU	UPDATED	PRICE
114090079	2026-11-11 09:19:26	$116.00(Excl. VAT)



Overview



Fashionstar HX8-U51H-M Servo is a 12V 50kg D-shaft serial bus servo with bracket that integrates brushless motor, reducer, magnetic absolute encoder and controller. With a387:1 reduction ratio, the servo's stall torque comes at 50 kg. cm and the rated torque at 23kg. cm. Designed for versatility, it is suited for use in industrial automation, robotics, and low-torque drive applications. It comes with ample code examples that can help accelerate deployment and integration.

Key Features

01 **Integrated Design**

Provides Integrated design of brushless motor, reducer, magnetic absolute encoder and controller

02 **12-bit absolute encoder**

Includes 12-bit magnetic absolute encoder, supporting arbitrary angle setting as the zero-position and multi-turn angle control

03 **Angle memory Ensures position data is retained after power-off.**

04 **Smooth motion curve Trapezoidal acceleration and deceleration control profile generates a smoothed motion curve**

05 **Comprehensive protection features**

Provides comprehensive protection functions including thermal shutdown, voltage protection, stall detection, and current/power limitation

Product Gallery

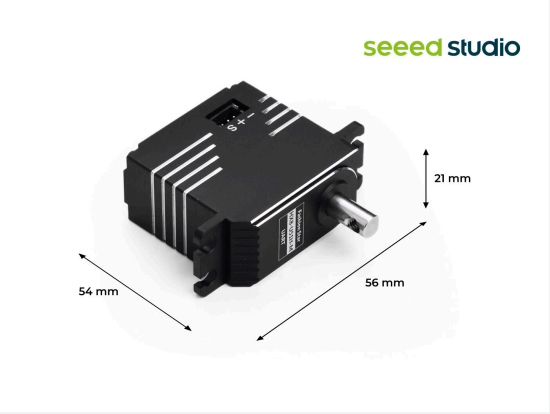




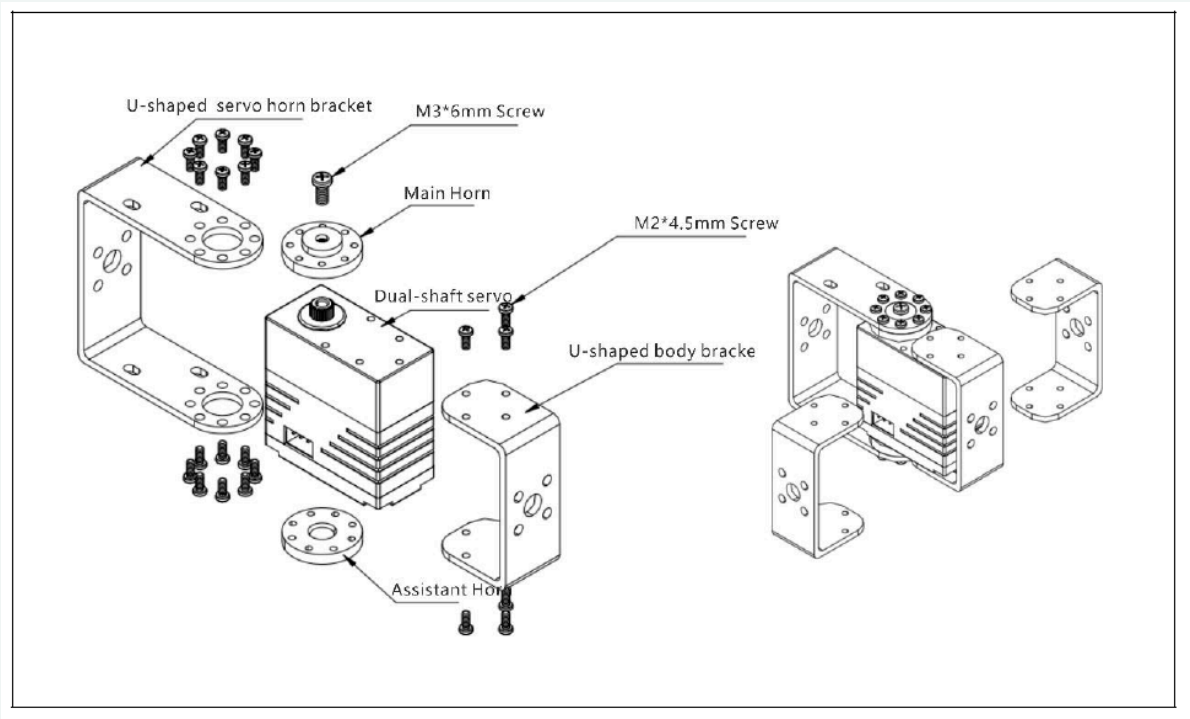


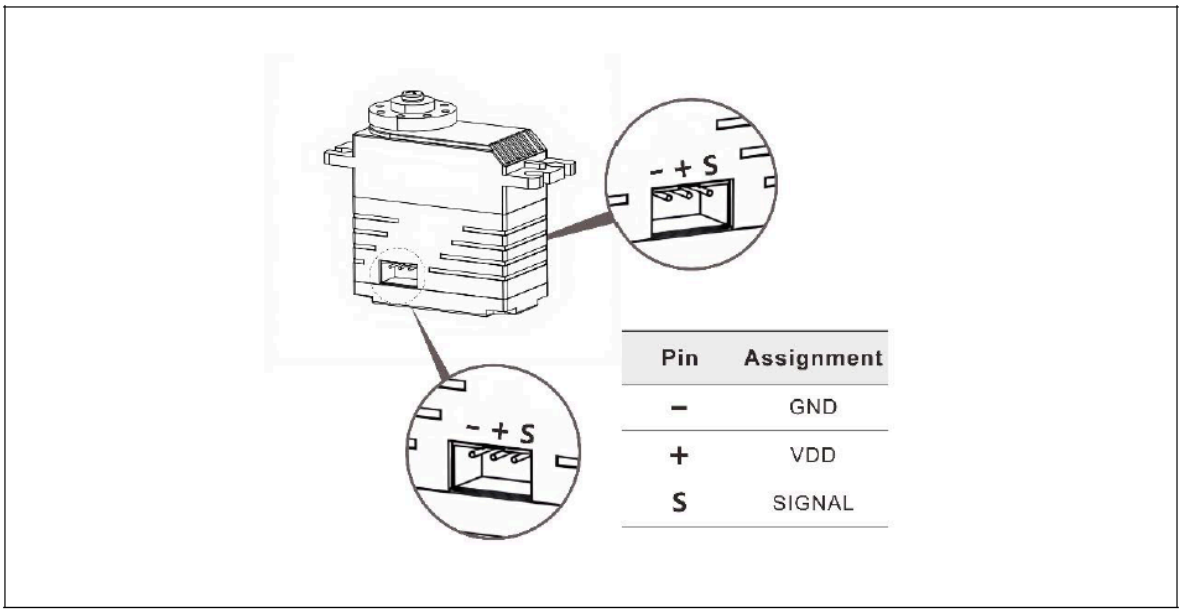






Hardware Overview





Pin	Assignment
–	GND
+	VDD
S	SIGNAL

Applications

- **RoboticArm**

Resource Links

- https://www.seeedstudio.com/Fashionstar-HX8-U51H-M-Servo-p-6518.html
- https://files.seeedstudio.com/products/Fashionstar/Fashion%20Star_U51H_Datasheet_EN_V1.1.08.pdf
- https://files.seeedstudio.com/products/Fashionstar/Fashionstar-25-50kg-dshaft.zip

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