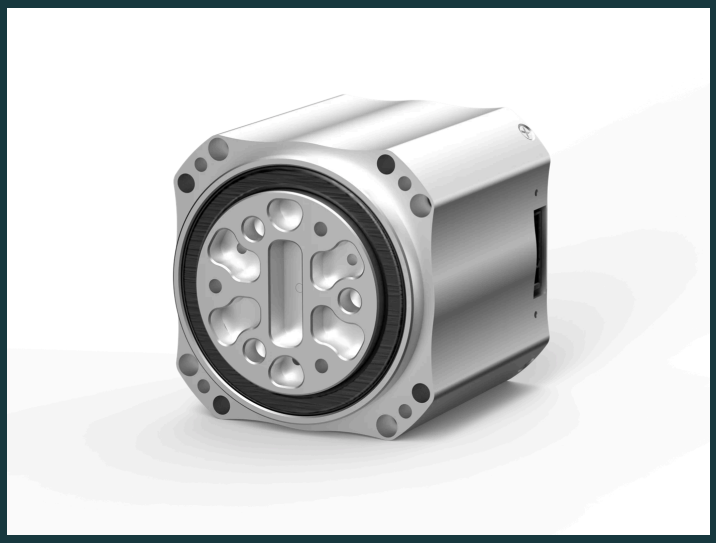
seeed studio

INDUSTRIAL PRODUCT DATASHEET

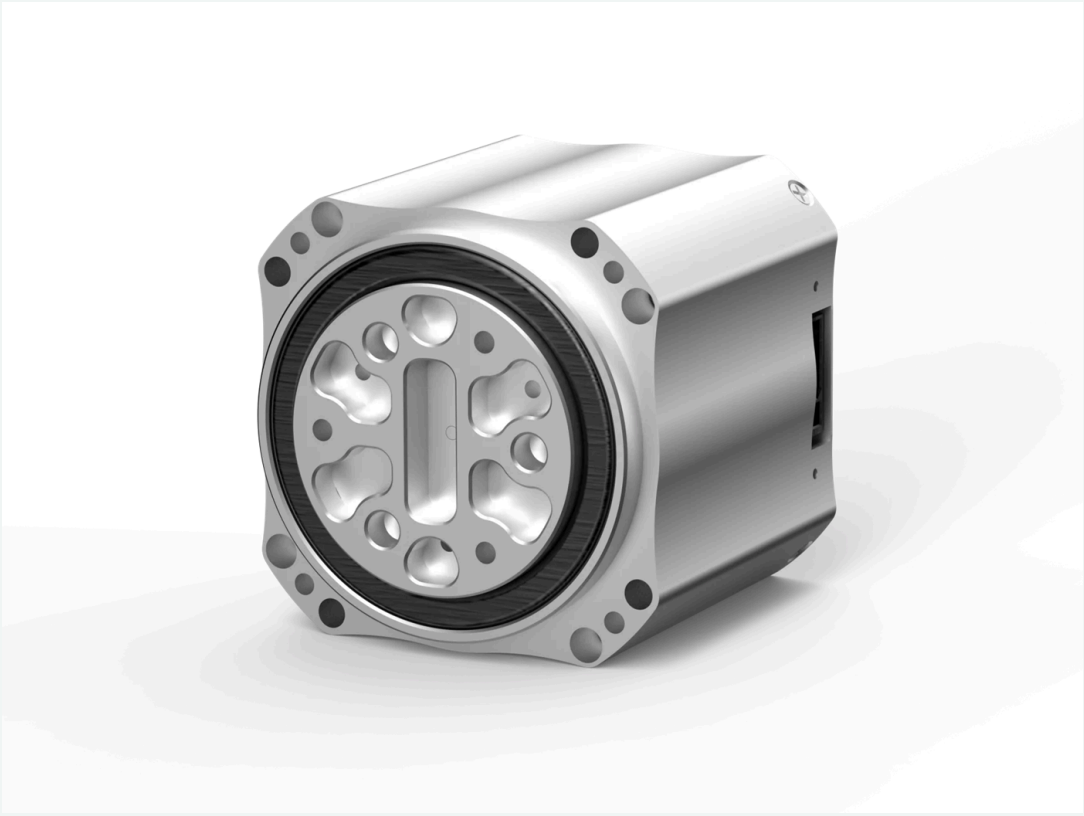
Hightorque HTDW-5036-02-CNE 1:36 Gear Motor CAN

The Hightorque HTDW-5036-02-CNE is a highly-integrated planetary actuator incorporating a frameless torque motor, absolute encoder, drive circuit and 1:36-ratio planetary reducer, delivering a peak torque of 21 N·m.

SKU	UPDATED	PRICE
100099709	2026-11-11 09:20:31	$199.00(Excl. VAT)



Overview



The Hightorque HTDW-5036-02-CNE is a highly-integrated planetary actuator incorporating a frameless torque motor, absolute encoder, drive circuit and 1:36-ratio planetary reducer, delivering a peak torque of 21 N·m. Fitted with a crossed-roller bearing, it features greatly improved anti-tilting stiffness to sustain long-hour continuous-operation. It supports CAN-bus communication and works well for robotic arms and humanoid-robot projects.

Key Features

01 **Highly-integrated**

Includes frameless torque motor, absolute encoder, driver circuitry and planetary reducer

02 **Simple connection Has two XT30(2+2) connectors suitable for daisy-chain connection without special cable modifications**

03 **Dual Encoder**

Enables multi-turn absolute position recognition

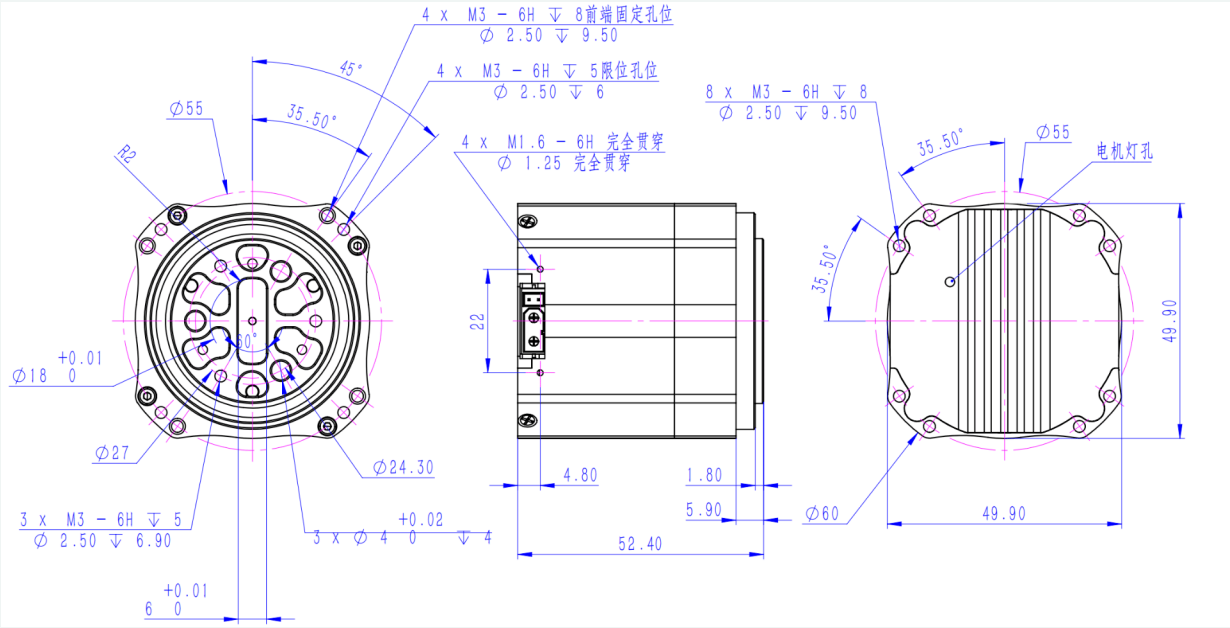
04 **Battery power compatible Could be used in 24V battery-powered system**

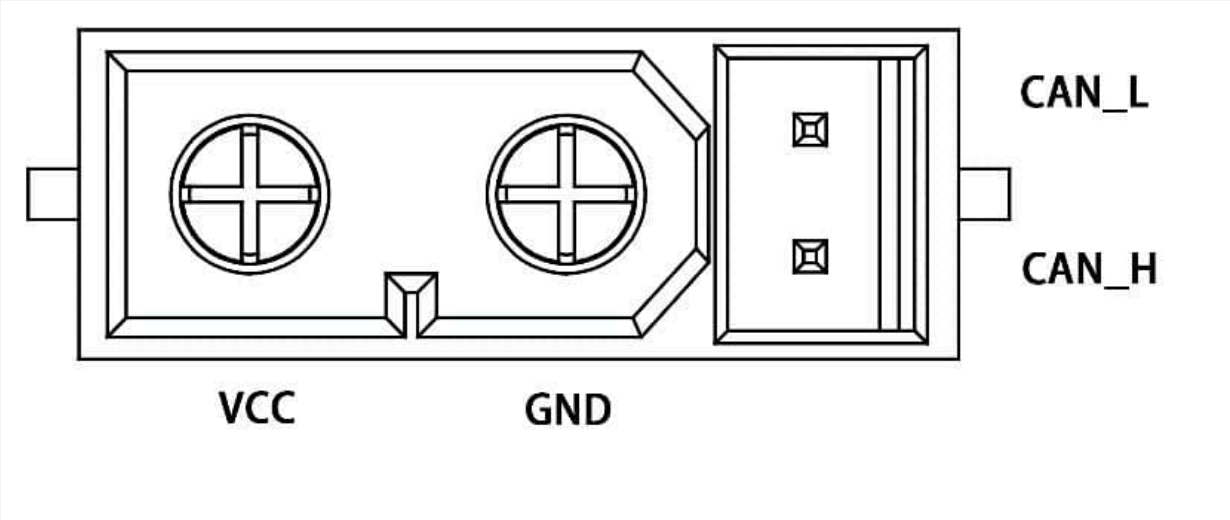
05 **Daisy-chain capable Can connect multiple Hightorque motors in series using XT30 cables for robotics applications**

Product Gallery



Hardware Overview





Applications

- **Robot Arm**
- **https://files.seeedstudio.com/products/arm/6DOF-A-06.7z**
- **https://files.seeedstudio.com/products/arm/livelybot_arm-main.zip**
- **BipedHumanoid**
- **GitHub - HighTorque-Robotics/robot_urdf**
- **GitHub - HighTorque-Robotics/livelybot_pi_rl_baseline**

Resource Links

- https://www.seeedstudio.com/Hightorque-HDTW-5047-36-NE-JC-Actuator-p-6671.html
- Datasheet
- User Manual
- SDK(CAN)
- CANProtocol
- wiki

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com