



MoVi VISUOTACTILE SENSOR

TACTILE FUTURE, INSPIRING INTELLIGENCE



Six-Dimensional Force

Normal Force ☒

Tangential Force ☒

Torque ☒ Sliding ☒

Shape ☒ Material ☒



High-speed
Response



Monochrome
Lighting Solution



User-friendly Interface
for Easy Integration

Structure

Customizable

0.1N

Min. Sensing Force

Sensing Points

Tens of Thousands per cm²

120Hz

Max. Sampling Frequency

20N

Max. Range

28×20mm

Sensing Area

Specification	Value
Maximum Range	20N
Minimum Sensing Force	0.1N
Sensing Area	28×20mm (Customizable)
Typical Power	120Hz
Typical Operating Power Consumption	0.65W
Camera Resolution	1280×800
Sensing Resolution	800×560
Service Life	≥ 300 Thousand Times

Monochrome Lighting Solution

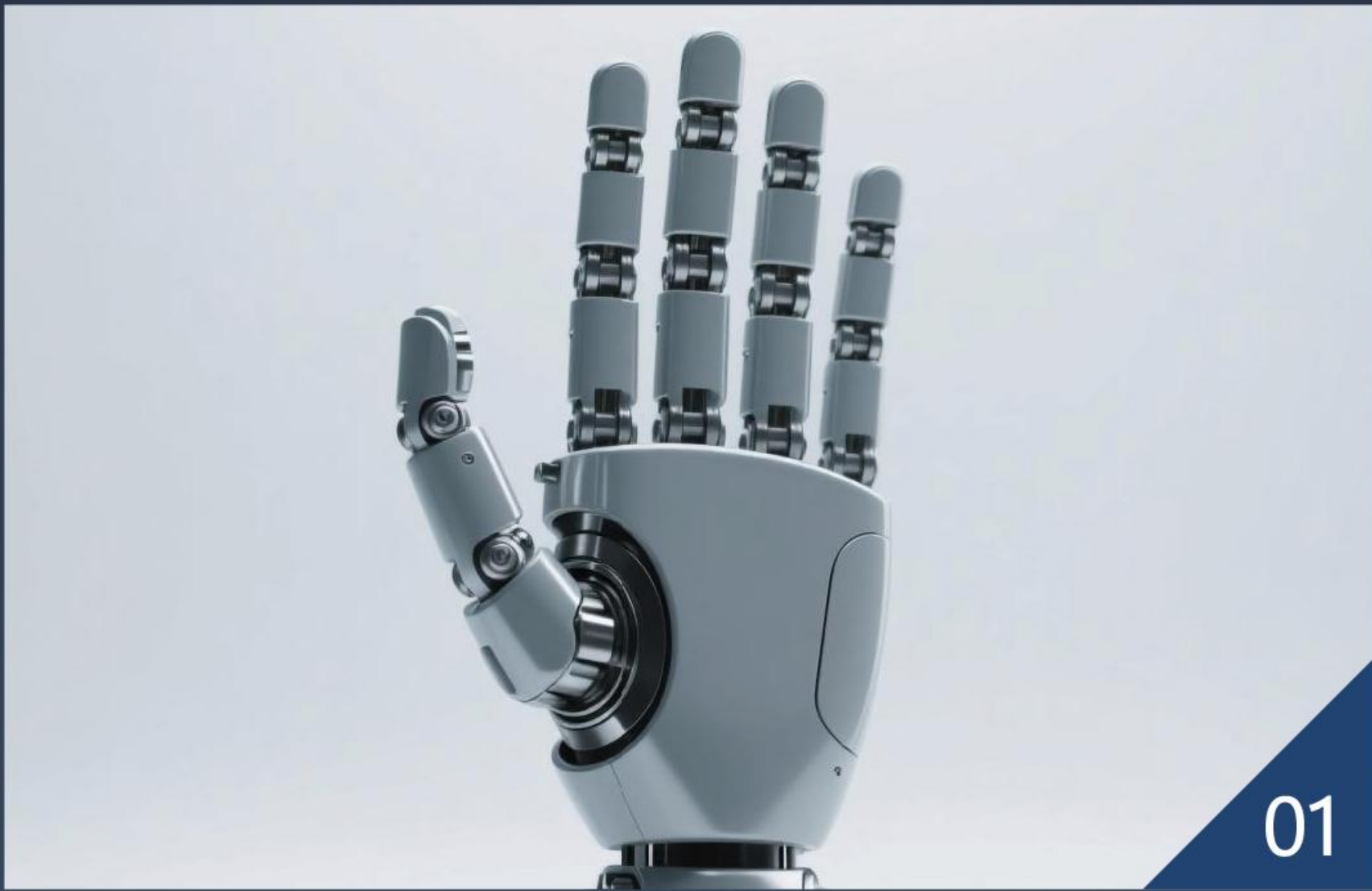
- Reduces computational and bandwidth demands
- Minimizes heat generation and optical drift
- Enhancing stability and durability

25° Pointed Tip Design

- Penetrates narrow spaces
- Fits into holes, gaps, and grooves

Integrated Sensing

- Single contact outputs:
- 3D profile
 - Sliding direction
 - Force and torque



Dexterous Hand



Industrial Gripper

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