



SYSTEMS



High-precision
Hall-effect control
sticks for smooth,
accurate input



Mission-tailored
configuration for
different platforms
and roles



Optimized
ergonomic design
for long, demanding
missions



Simple and reliable
wired control for
low-latency
operation

PD-1 OPERATOR CONTROLLER

BUILT FOR WORK. FEELS LIKE PLAY.

Compact, lightweight,
and ergonomic operator
controller designed for
drones and robotics
systems

TECHNICAL SPECIFICATIONS

GENERAL

- **Dimensions:** 164*101*62mm
- **Weight:** ~400 g (depending on configuration)
- **Housing:** Aluminum housing with MIL-spec hard anodized finish
- **Operating temperature:** -20°C to +60°C
- **Protection rating:** IP66 compliant

ELECTRONICS

- **Power:** USB 2.0 (5V), wired operation only
- **Connection interface:** USB 2.0 (HID device, plug-and-play)
- **OS compatibility:** Windows / Linux / macOS (no drivers required)
- **Indicators:** Configurable status LEDs (power, activity, event-based alerts)

CONNECTIVITY & INTEGRATION

- USB 2.0 (wired connection only)
- Recognized as a standard HID device
- Optional configuration utility for input mapping and calibration
- Developer documentation available for integrators

POWER

- **Power consumption:** up to 100 mA
- USB-powered only (no internal battery)

COMPLIANCE

- Designed to meet MIL-STD-810 (shock, vibration)
- Designed to meet MIL-STD-461
- RoHS / REACH compliant

CONTROL ELEMENTS



FRONT VIEW



TOP VIEW



- | | | |
|---------------------------------------|--|--|
| ① 2-Axis Hall-Effect Castle Joysticks | ④ Push Buttons (button colors can be configured) | ⑦ Durable sealed Fischer connector (optional configuration via direct cable) |
| ② 3-Way Control Switch | ⑤ Push Button with Protective Cover | ⑧ Strap Anchor |
| ③ 5-Way Control Switch | ⑥ 1-Axis Hall-Effect Precision Sliders | ⑨ Customizable Label with Client's Logo |



Mission-Ready Rugged Devices

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