



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 and REACH Compliant

CONTROL ELEMENTS



FRONT VIEW



TOP VIEW



- 1

2-Axis Hall-Effect Castle Joysticks
- 2

3-Way Control Switch
- 3

5-Way Control Switch
- 4

Push Buttons
(button colors can be configured)
- 5

Push Button with Protective Cover
- 6

1-Axis Hall-Effect Precision Sliders
- 7

Durable sealed Fischer connector
(optional configuration via direct cable)
- 8

Strap Anchor
- 9

Customizable Label with Client's Logo



Mission-Ready Rugged Devices

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