



HANDHELD CONTROLLERS

STANDARD OR FULLY CUSTOMIZED CONFIGURATIONS



Applications:

UAV, UGV, UUV & USV guidance

Turret & weapons control

Camera & robotic control



SPEC

2018



Comfortable and familiar human factors (hand and button positioning) to reduce fatigue and stress. Allows users to focus on the mission rather than the controls.

Rugged, Hi Reliability under extreme environmental conditions, with up to (20) functions available, a PCU handheld controller is the ideal solution for ground missions or controlling unmanned systems or weapons and other remote controlled applications.

Full customization is available with a variety of outputs and switches, connectors, mounting brackets, cables and colors. Contact our technical sales team about your requirements.

Standards

MIL-STD-202
MIL-STD-810F

Design keeps
hand and forearm aligned.
"natural positioning"

Features:

sealed controls:

- (1) High precision mini-joystick
- (1) 4-way switch
- (2) Momentary PBs, low cap, 2.5 lbs
- (2) Momentary PBs, high cap, 2.5 lbs

'Direct' outputs interface via MIL connector
desert tan housing color

Optional:

wired USB 2.0 HID interface
marking or engraving controls
mini-joystick instead of 4-way switch
marking or engraving controls
housing color

Dimensions:

housing LxWxH: 7" [178] x 3.8" [97] x 2" [50]
overall LxWxH: 7" [178] x 4.7" [120] x 2.7" [68]
weight: 1.2bs \pm 0.3lbs

PCU-S series



PCU-L series



PCU-XL series



sealed controls:

- (1) High precision mini-joystick
- (1) 4-way switch
- (2) Single detent triggers
- (2) Momentary PBs, low cap, 2.5 lbs
- (4) Momentary PBs, high cap, 2.5 lbs
- (2) Momentary PBs, low cap, 1.7 lbs

'Direct' outputs interface via MIL connector
desert tan housing & black handles colors

wired or wireless USB 2.0 HID interfaces
(2) 'Dead Man' switches
(2) Trigger flap guards
mini-joystick instead of 4-way switch
marking or engraving controls
housing & handles colors

housing LxWxH: 7.4" [184] x 4.4" [112] x 2.2" [56]
overall LxWxH: 7.4" [184] x 4.5" [115] x 2.9" [74]
weight: 2 lbs \pm 0.4lbs

sealed controls:

- (2) High precision mini-joysticks
- (1) 4-way switch
- (2) Single detent triggers
- (4) Momentary PBs, low cap, 2.5 lbs
- (2) Momentary PBs, high cap, 2.5 lbs
- (6) Momentary PBs, low cap, 1.7 lbs

'Direct' outputs interface via MIL connector
desert tan housing & black handles colors

wired or wireless USB 2.0 HID interface
(2) 'Dead Man' switches
(2) Trigger flap guards
marking or engraving controls
housing & handles colors

housing LxWxH: 7.6" [193] x 4.6" [118] x 2.2" [56]
overall LxWxH: 7.6" [193] x 4.7" [120] x 2.9" [74]
weight: 2.5 lbs \pm 0.5 lbs

OR FULL CUSTOMIZATION ON REQUEST

General:

Rugged & harsh environment resistant
Aluminum alloy enclosure
Power supply: +5VDC \pm 5%
Insulation resistance: 10 M Ω @50VDC
RoHS/Reach compliant

Environmental:

Sealing: IP65, watertight to IP68S available
Operating temperature: -25°C to +60°C
Storage temperature: -40°C to +71°C
Humidity: 20-100 RH @17°C to 27°C
Vibration: 20-2000Hz, total 7.7grms
Shock: 40g max, 3 half sine



SCIP ENGINEERING LLC
4 Calle Del Norte
Rancho Santa Margarita, CA 92688
Email: contact@scip-engineering.com
www.scip-engineering.com