

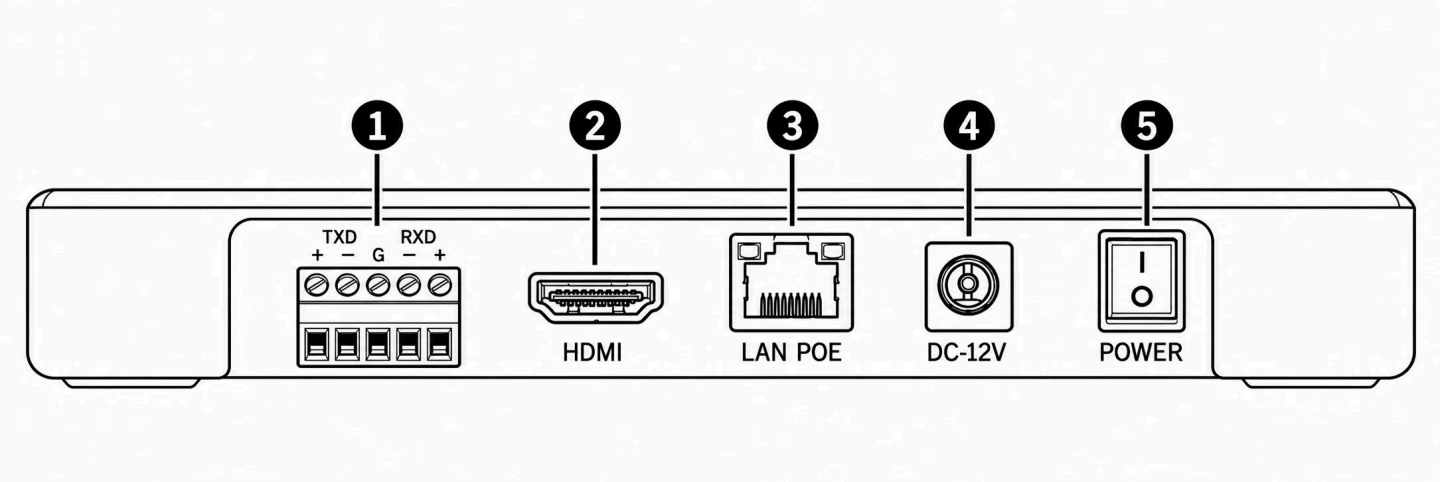
PTZOptics MiniJoy

Technical Specifications

Technical Specs

Model Information

Feature	Value
Official SKU	`PT-MINIJOY-G1`
Model Name	`MiniJoy`



MiniJoy Connection List

1. RS-422 / RS-485 Interface
2. HDMI Display Output
3. LAN (PoE)
4. DC 12V Power
5. Power Switch

Hardware

Component	Specification
Joystick	4D precision joystick (pan, tilt, zoom, twist)

Component	Specification
Knobs	3D rotary knobs with push-button — support scale rotation for parameter adjustment and button function for mode selection
Buttons	High-quality silicone buttons with white/red two-color backlight
Screen	3" LCD color display
Button Prompt Tone	On/Off, selectable tone style
Lock Button	One-key keyboard lock

Control

Parameter	Value
Maximum Controlled Cameras	1000
Maximum Preset Positions	255 per camera
Customizable Knobs	4 (F1, F2, F3, F4) with 6 customizable pages

Connections

Interface	Type
Network Port	RJ45
Serial Port	RS-422 / RS-485 (Phoenix connector)
HDMI Display Output	HDMI 2.0 (supports 4K 30 fps)

Protocols

Type	Protocols
IP Control	ONVIF, VISCA Over IP, VISCA TCP, NDI
Serial Port	VISCA, Pelco D, Pelco P
Baud Rate	2400, 4800, 9600, 19200, 38400, 115200

Power

Parameter	Value
Input Voltage	12V DC
Input Current	0.25A
PoE Standard	802.3af
Rated Power	3W

Physical

Parameter	Value
Dimensions	Joystick Height Included: 210 x 138 x 101 mm (8.27 x 5.43 x 3.98 in)
Weight	0.8 kg (1.76 lbs)
Operating Environment	Indoor only

Environmental

Condition	Range
Operating Temperature	-10 deg C to 40 deg C (14 deg F to 104 deg F)
Storage Temperature	-20 deg C to 60 deg C (-4 deg F to 140 deg F)