

Flystick2+

Wireless interaction for immersive applications

The Flystick2+ is a wireless interaction device for virtual and immersive environments. It combines a protected passive tracking target with an analog trigger, additional buttons and audio and vibration feedback. Wireless data transmission is provided by a USB radio transceiver operating in the 2.4 GHz ISM band.



Flystick2+ with
multipurpose wall
mount

Technical Specifications

Parameter	Specification
Tracking target	integrated passive target
Target protection	replaceable cone
Typical target detection range	4 m ¹
Typical radio range	7 m ²
Wireless standard	IEEE 802.15.4 / Zigbee LR-WPAN
Frequency band	2.4 GHz ISM band, 8 channels
Maximum transmission power	4 dBm
Software integration	DTRACK SDK, VRPN and ART plugins for Unity and Unreal Engine
Battery type	2 × AA rechargeable batteries
Operating time	at least 80 h ³
Charging time	approx. 5 h
Operation during charging	supported
Charging interface	USB Type-C
Charging station	included; functions as a multipurpose wall mount
Operating temperature	0 - 35°C
Relative humidity	5 - 85% (non-condensing)
Nominal dimensions, W x H x D	99 x 183 x 188 mm
Weight	approx. 250 g, excluding batteries

¹measured using an AT6/M equipped with a 3.5 mm lens, with the target centred in the field of view and default camera settings.

²depending on the installation environment and structural obstacles; the USB radio transceiver can be repositioned using a USB extension cable.

³with new, fully charged rechargeable batteries under typical operating conditions.

Interaction

Parameter	Specification
Trigger button	analog, output range 0.0 to 1.0 in increments of 0.1
Buttons	6 digital buttons
Joystick	2-axis analog joystick, output in increments of 0.1
Feedback	audio and vibration feedback
Handedness	suitable for right- and left-handed use

Certifications

- CE
- FCC 47 CFR Part 15, Subpart C
- TÜV SÜD NRTL

Technical Drawing

all dimensions shown are nominal in [mm] unless otherwise specified

