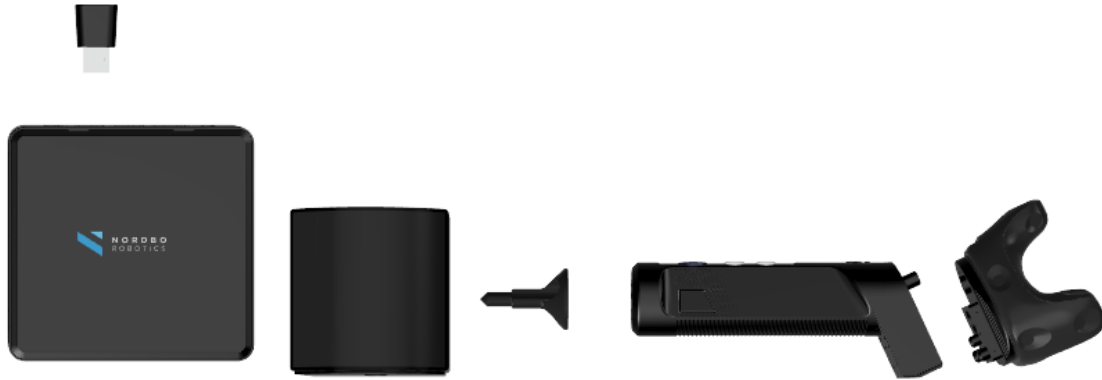# Datasheet

IR Tracker

MIMIC WITH IR TRACKER

Mimic with IR Tracker consists of a joystick with a tracker using light for recording human motions and transfer to a robot.

It comes with a standard joystick, where the IR Tracker can be mounted.

Mimic IR Tracker is a wireless tracking system. It provides the Mimic software with the joysticks position and orientation in 3D-space as well as the inputs of up to four buttons.

IN THE BOX

1x Nordbo Controller

1x Power Supply for Nordbo Controller

1x USB Flash drive

1x HTC Tracker 3.0, Including x1 Tracker Mount

1x ¼" Camera screw with 1.27 mm pitch (following ISO 1222:2010)

1x HTC Dongle with 1x USB Type-C cable

1x HTC Base Station 2.0 with 1x Power Supply for Lighthouse

1x Mimic IR Standard Joystick including 1x Joystick Pointer

1x Reference Frame Plate

4x M4-10 mm black stainless-steel bolts (for Joystick Pointer)

4x M6-10 mm stainless-steel bolts (for Robot Pointer)

1x LAN-cable, 2 m

Datasheet

IR Tracker

TECHNICAL SPECIFICATIONS

Description	Metric	Note
Tracker		
Storage Temperature	0°C to 40°C	Avoid using the product after a dramatic change in temperature
Radio Type	2.4GHz wireless	-
Transmitter Frequency	2402 – 2480 MHz	-
Maximum Declared Output Power	4.5 dBm	-
Maximum Power Supply	5 Volts DC 1 Amp	-
Dongle		
Storage Temperature	0°C to 40°C	-
Radio Type	2.4GHz wireless	-
Transmitter Frequency	2402 – 2480 MHz	-
Maximum Declared Output Power	0.94 dBm	-
Lighthouse		
Radio Type	2.4GHz wireless	-
Operating Frequency	2400 – 2483.5 MHz	-
Max EIRP	6.24 dBm +/- 1.5 dBi	-
Laser	Class 3B laser	Mitigated to Class 1 laser
Safety Distance While operating	20 cm	-
Horizontal Field of View	150°	-
Vertical Field of View	110°	-
Minimum Tracking Distance	0.5 m	-
Maximum Tracking Distance	7.0 m	-

For details on HTC Vive tracker, please see:
VIVE Tracker Guidelines - Developer Resources
(https://developer.vive.com/resources/hardware-guides/vive-tracker-developer-guidelines/)