

PERCEPTION NEUR N 3 ANTI-MAG Noitom PN 3

PN 3 is Noitom's entry-level wireless inertial motion capture system, featuring the most compact wireless sensors in the current PN series. The system consists of 27 inertial sensors for full-body and hand motion capture, a data transceiver, a sensor charging case, and a portable carry case—enabling fully wireless body and finger tracking. Lightweight and easy to use, the newly upgraded 2025 Anti-magnetic Edition delivers enhanced resistance to magnetic interference, making it ideal for animation, game studios, film, live streaming, and a wide range of motion capture applications.



Advantages



Compact Size, High Performance

Small yet precise wireless motion capture sensors



Hand Motion Capture

Industry-leading wireless hand tracking solution



Complete Ecosystem

Seamless integration with major rendering engines and 3D software

Applications

Animation

Game Development

Film & VFX

Virtual Human
Live Streaming

Configuration

Component	PN 3 (Full Body)	PN 3 (Full Body + Gloves)
PN 3 Inertial Sensors	17 (body) + 1 (spare)	27 (body & fingers) + 1 (spare)
PN 3 Motion Capture Gloves	3 units	5 units
PN 3 Motion Capture Gloves	3 pairs	
Type-C to USB-A Cable	1 unit	
Type-C Charging Cable	1 unit	
PN 3 Full Body Strap Set	1 set	
Protective Transport Case	1 unit	
PN 3 Data Transceiver	1 unit	
Software License	Axis Studio Software License	
Warranty	1 Year	
Optional Accessory	PN 3 Motion Capture BodySuit	

Specifications

Dimensions	27.9x16.2x11.6mm	Static Attitude Accuracy	Roll 1° / Pitch 1° / Yaw 2°	Frequency Band	2400-2483MHz
Weight	4.1g	Data Calculation Frame Rate	600Hz	Communication	2.4G GHz RF
Gyroscope Range	±2000dps	Data Output Frame Rate	60Hz	Operating Time	≥3.5h
Accelerometer Range	±8g	Transmit Power	<8dBm	Charging Time	1h
Resolution	0.02°	Latency	<20ms	Operating Temperature	-5°C~40°C

PN 3 Anti-magnetic Motion Capture System accurately captures full-body and hand movement data, making it suitable for a wide range of applications including animation, game development, and film VFX. With its comprehensive plugin ecosystem, the system ensures seamless compatibility with major 3D animation software and game engines—significantly enhancing workflow efficiency and delivering a smooth, worry-free user experience.

