



THE WORLD'S SMALLEST **MOTION CAPTURE SYSTEM**

The Perception Neuron 3 is the world's smallest IMU sensor-based, full-body motion capture system. Measuring 28mmx16mmx11mm and weighing 4 grams.

Perception Neuron 3 is completely wireless and can be used in any condition both indoors or out, without occlusion, cameras or line-of-site restrictions. With a new algorithm, new software, and new API, Perception Neuron 3 offers a robust solution for indie and professional filmmakers, animators, researchers, stage performers, educators and creatives all over the world.

Perception Neuron 3 offers different working modes to fit your needs whether you're doing a twitch stream, full body capture for a film or an animated game animation. Perception Neuron 3 is natively integrated with several key software partners that cover applications from 3D animation, previs, game development, virtual production, live stage shows and more.

- Sensor: 28mmx16mmx11mm
- Lightweight: 4 grams
- 60hz Output Rate
- 5 hour battery life
- Low Latency
- Free software
- Free SDK's



PN3 BODY SENSOR



PN3 GLOVES



PN3 SYSTEM

SPECIFICATIONS

Price	\$3,999 USD
Trackers	up to 23 wireless sensors
Finger Tracking	Yes - \$999 USD
Setup time	<5-10 min
Latency	20ms
Wireless data link	One receiver per actor
Battery management	up to 24 batteries
Battery life	5 hours
Wireless range Indoor/outdoor	4 m Omni
Charge Time	1 hour
Output rate	60Hz
Accessibility	Wearable straps, one-size-fits-all
Size	28mm x 16mm x 11mm

FEATURES

SDK:	C/C++ API and plugin for Unity3D® and Unreal®
Software:	AXIS Studio
Data Format:	.bvh to MotionBuilder®, 3Ds-Max, and .calc export. Export to .fbx for Maya®, Blender®, etc...
Real-time out:	Yes
Accessories:	Full body straps, USB receiver
Temperature Range:	-5° C - 40° C
Accelerometer Range:	±8 g
Gyroscope Range:	±2000 dps
Resolution:	0.02 deg
Waterproof Grade:	IP66

INTEGRATIONS



NOITOM®
MOTION CAPTURE | VPS | XR

PERCEPTION
NEURON³

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