Xsens Motion Capture Hardware Options

MVN Awinda Starter

· Accurate full-body motion capture with 17 sensors
· Fully wireless sensors with straps
· Wireless range up to 25 meters
· Easy charging with USB

MVN Awinda

· Accurate full-body motion capture with 17 sensors, plus 1 additional prop sensor
· Fully wireless sensors with straps
· Wireless range up to 50 meters
· Easy charging with charging station

MVN Link

· Full-body motion capture for high dynamic motions
· High update rate for extra accuracy
· Long battery life for 10 hour-long recordings
· Supports GNSS and (Remote) On-Body Recording

Xsens Metagloves by Manus

· Accurate finger tracking
· Natively integrated into MVN Animate software
· Body and finger tracking data combined in one file

	MVN Awinda Starter	MVN Awinda	MVN Link
Max update rate	60 Hz	60 Hz	240 Hz
Wireless range	25 m	50 m	150 m
Battery life	6 h	6 h	10 h
Wireless communication	Radio protocol (Awinda protocol)	Radio protocol (Awinda protocol)	Wi-Fi
Wireless datalink	Dongle antenna (1 per person)	Awinda station (1 per person)	Access point (multiple persons)
Latency	30 ms	30 ms	20 ms
On-body buffering	30 sec	30 sec	10 min
Sensors	17 wireless sensors	17 wireless sensors (plus 1 prop sensor)	17 wired sensors (plus 1 prop sensor)
Clothing	Full body strap set (this includes 3 t-shirts (sizes S, L, XXL) and a strap set)	Full body strap set (this includes 3 t-shirts (sizes S, L, XXL) and a strap set)	Full body lycra suits (one suit is included, choose your size when ordering)
Charging	USB cables for Awinda sensors, plus a 6-port USB charger	Charging station for Awinda sensors	Charging station for battery pack
Hardware synchronisation	Optional, with additional Awinda station	Included, via BNC connectors	Optional, with additional Awinda station
Casing	Case	Sturdy backpack	Rugged pelican case
Finger tracking	Full compatibility with Xsens Gloves by Manus (Strechsense compatible)	Full compatibility with Xsens Gloves by Manus (Strechsense compatible)	Full compatibility with Xsens Gloves by Manus (Strechsense compatible)
GNSS (GPS)	✗	✗	✓
On-body Recording (OBR)	✗	✗	✓
Remote On-Body Recording (rOBR)	✗	✗	✓