

# 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
<b>Max update rate</b>	60 Hz	60 Hz	240 Hz
<b>Wireless range</b>	25 m	50 m	150 m
<b>Battery life</b>	6 h	6 h	10 h
<b>Wireless communication</b>	Radio protocol (Awinda protocol)	Radio protocol (Awinda protocol)	Wi-Fi 2.4 GHz, 5.0 GHz
<b>Wireless datalink</b>	Dongle antenna (1 per person)	Awinda station (1 per person)	Access point (multiple persons)
<b>Latency</b>	30 ms	30 ms	20 ms
<b>On-body buffering</b>	30 sec	30 sec	10 min
<b>Sensors</b>	17 wireless sensors	17 wireless sensors (plus 1 prop sensor)	17 wired sensors (plus 1 wired prop sensor)
<b>Clothing</b>	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 (needs to be ordered separately, available in 6 sizes)
<b>Charging</b>	USB cables for Awinda sensors, plus a 6-port USB charger	Charging station for Awinda sensors	Charging station for battery pack
<b>Hardware synchronisation</b>	Optional, with additional Awinda station	Included, via BNC connectors	Optional, with additional Awinda station
<b>Casing</b>	Neoprene shell case	Sturdy neoprene case	Rugged pelican case
<b>Finger tracking</b>	Full compatibility with Xsens Gloves by Manus and Stretchsense	Full compatibility with Xsens Gloves by Manus and Stretchsense	Full compatibility with Xsens Gloves by Manus and Stretchsense
<b>GNSS (GPS)</b>	✗	✗	✓
<b>On-body Recording (OBR)</b>	✗	✗	✓
<b>Remote On-Body Recording (rOBR)</b>	✗	✗	✓