Xsens MVN (Hardware)

**Version**
Lycra suit

**Trackers**
17 wired trackers

**Data**
Production quality

**Setup**
Fast

**Latency**
20 ms

**Data link**
One Access Point for Multiple actors

**Battery management**
One battery

**Battery life**
10 hours

**Wireless range**
Indoor: 50 m / 150 ft
Outdoor: 150 m / 450 ft

**(Remote) On-body recording**
Yes

**On-body buffering**
10 min

**Internal sampling rate**
1000 Hz

**Output rate**
240 Hz

**GNSS Support**
Yes

**Finger tracking**
Natively supports Manus VR Glove

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**MVN Link**

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MVN Awinda

**Version**
Strap-based

**Trackers**
17 wireless trackers

**Data**
Production quality

**Setup**
Even faster

**Latency**
30 ms

**Data link**
One Awinda station per actor

**Battery management**
17 batteries

**Battery life**
6 hours

**Wireless range**
Indoor: 20 m / 60 ft
Outdoor: 50 m / 150 ft

**(Remote) On-body recording**
No

**On-body buffering**
2 min

**Internal sampling rate**
1000 Hz

**Output rate**
60 Hz (Full body)
100 Hz (Lower body)

**Finger tracking**
Natively supports Manus VR Glove

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MVN Animate (Software)

<table>
<thead>
<tr>
<th>Feature</th>
<th>MVN Animate</th>
<th>MVN Animate Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi Person</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Network Streamer (for plug-ins)</td>
<td>No</td>
<td>Yes, all major 3D packages</td>
</tr>
<tr>
<td>Advanced Configurations</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Advanced Scenarios</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Reference Camera support</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Export as movie</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Time code &amp; remote control</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Batch export</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>GNSS Support</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Animate Engine**

- Real-time solver: Yes
- HD Reprocessor: Yes

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**HD Reprocessor**

After recording your data, you can process the data using the HD Reprocessor. The Animate Engine then upgrades the data and gives you the most accurate data possible.

The HD Reprocessor raises the data to the unprecedented production quality motion capture data Xsens is known for in the market. It does so by extracting more information from the same data set. It enables MVN Animate to process data over a larger time window to get the best quality out of your mocap shoot.
ABOUT XSENS

Xsens is the leading innovator in 3D motion tracking technology and products. Its sensor fusion technologies enable a seamless interaction between the physical and the digital world in applications such as industrial control and stabilization, health, sports and 3D character animation. Clients and partners include Electronic Arts, NBC Universal, Daimler, Autodesk, ABB, Siemens and various other leading institutes and companies throughout the world. Xsens is part of mCube, the provider of the world’s smallest MEMS motion sensors, key enablers for the Internet of Moving Things. Xsens has offices in Enschede, Los Angeles, Shanghai and Hong Kong.

Visit xsens.com/distributors for an overview of Xsens’ worldwide distributor network.