

Materials List for:

# Measuring the Kinematics of Daily Living Movements with Motion Capture Systems in Virtual Reality

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URL: <https://www.jove.com/video/57284>

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## Materials

Name	Company	Catalog Number	Comments
Computer	N/A	N/A	Computer requirements: - Single socket H3 (LGA 1150) supports - Intel® Xeon® E3-1200 v3, 4th gen. Core i7/i5/i3 processors - Intel® C226 Express PCH - Up to 32GB DDR3 ECC/non-ECC 1600MHz UDIMM in 4 sockets - Dual Gigabit Ethernet LAN ports - 8x SATA3 (6Gbps) - 2x PCI-E 3.0 x16, 3x PCI-E 2.0 x1, and 2x PCI 5V 32-bit slots - 6x USB 3.0 (2 rear + 4 via headers) - 10x USB 2.0 (4 rear + 6 via headers) - HD Audio 7.1 channel connector by Realtek ALC1150 - 1x DOM power connector and 1x SPDIF Out Header - 800W High Efficiency Power Supply - Intel Xeon E3-1230v3 - DDR3 PC12800 8GB ECC - WD 1TB BLUE WD 10EZEX 3.5" - NVIDIA QUADRO K5000 & SYNC
Stereoscopic 3D Projector	Barco	F35 AS3D WUXGA	Resolution: - WQXGA (2,560 x 1,600) - Panorama (2,560 x 1,080) - WUXGA (1,920 x 1,200), 1080p (1,920 x 1,080)
Stereoscopic Glasses	Volfoni	Edge 1.2	For further information, visit <a href="http://volfoni.com/en/edge-1-2/">http://volfoni.com/en/edge-1-2/</a>
Motion Capture Systems	NaturalPoint OptiTrack	17W	For further information, visit <a href="http://optitrack.com/products/prime-17w/">http://optitrack.com/products/prime-17w/</a>
OptiTrack (Motion capture software)	NaturalPoint OptiTrack	Motive 2.0	For further information, visit <a href="https://optitrack.com/downloads/motive.html">https://optitrack.com/downloads/motive.html</a>
MiddleVR (Middleware software)	MiddleVR	MiddleVR For Unity	For further information, visit <a href="http://www.middlevr.com/middlevr-for-unity/">http://www.middlevr.com/middlevr-for-unity/</a>

VRDaemon (Middleware software)	MiddleVR	MiddleVR For Unity	For further information, visit <a href="http://www.middlevr.com/middlevr-for-unity/">http://www.middlevr.com/middlevr-for-unity/</a>
Unity3D (Game engine)	Unity Technologies	Personal	For further information, visit <a href="https://unity3d.com/unity">https://unity3d.com/unity</a>