mocapsuit

Synertial

Synertial Mocapsuit

Synertial is the industry standard in motion capture.

Their motion capture suits and gloves are the first choice for data collection, digital factory design shops and academic research.

Synertial's unique skeleton calibration ensure that the full-body suits and gloves track almost as accurately as optical systems.

By combining inertial and optical technologies, the fast calibrating hybrid motion capture system delivers zero drift, ensuring supremely accurate repeatable results.

Mocapsuit

Features:
Accurate footsteps: zero positional drift
Market-leading Cobra gloves for precision finger tracking
Kinematic skeleton modification tools for perfect results
Simple and configurable snap calibration
From 17 to 55 sensors
WIFI: buy off-the-shelf router and configure your own range
Synertial 's Software Development Kit
Synertial plug-ins for Mobu, Unity, Unreal, PSH/ Jack
3 second hardware re-start

Body mapping precision:
Ships with highly customizable Synertial calibration system software
Modify existing skeletons or create new ones
Modify local coordinate systems of any segment
Place VIVE trackers anywhere on the body
Use Computer Vision (CV) SW to digitize subject skeleton
Use VIVE trackers to validate CV-digitized skeletons
Modify snap calibration poses and procedures

Utilitarian body suit:
Solo operation and fast set up
Super-flexible and comfortable material
Lycra and strap combination
Colour-coded system for easy ingress
Thin soft top fits all sizes

VIVE compatibility:
VIVE, Suit and Glove all in a single data stream
Clean footsteps when using VIVE trackers
Attach VIVE trackers anywhere on the suit
Use VIVE controllers to enhance subject skeleton for increased accuracy
Use additional VIVE trackers for robust sitting/reclining
Walk out of the VIVE optical space without disruption
Use suit without VIVE when needed

What's in the box?

- ● Headband
- ● Jacket
- ● Arm Strap
- ● Wrist Strap

- ● Cobra Gloves
- ● VIVE tracker pad
- ● Chaps
- ● Leg and foot straps

Network config cable

WiFi hub Tx

5vDC Battery pack or
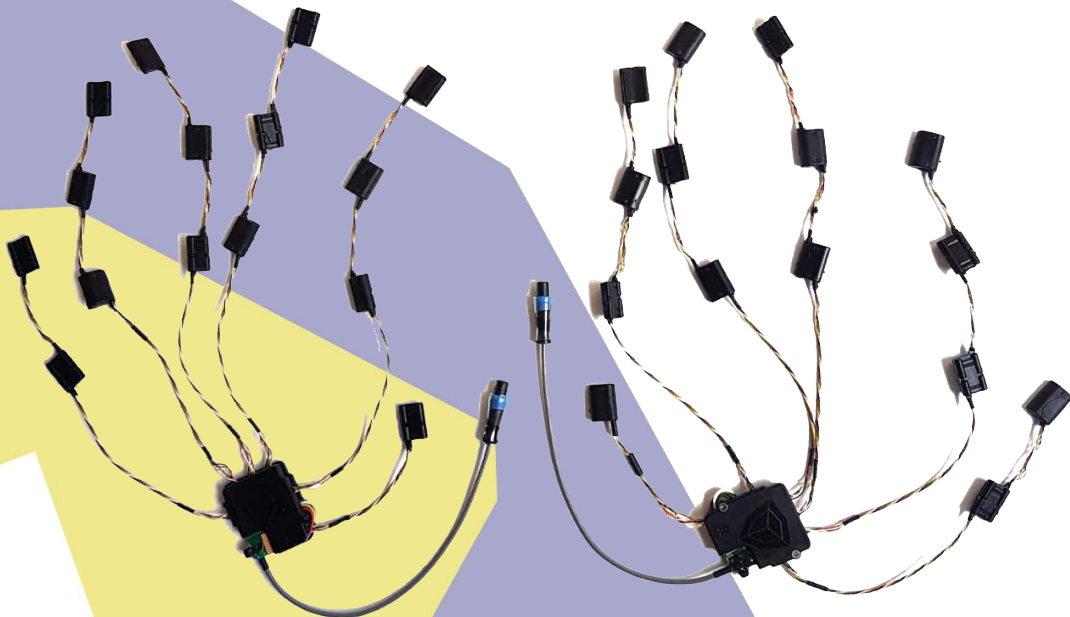Anker battery pack

2 x Jig

Tech Spec

Processing hub:
Up to 480 HW fps; 120 standard
Hardware start-up in 3 Seconds (no re-calibration)
AA Batteries, 5vDC wall adapter or power bank
Separate sync HW up to 1000 FPS (Standard 29.97 FPS),
WIFI: buy off-the-shelf router and configure your own
range Multiple PCs can run the same HW simultaneously
Locking data and power connectors

Sensors:
IMUs only (Inertial Measurement Units):
9-axes, gyroscopes, accelerometers and
magnetometers
On-board processing on each sensor
Internal update rate: 500Hz
Gyro range: 2000 degrees/sec
Accelerometer range: 1 6Gs
Sensor housing dimensions: 47mm x 15mm x 6mm or
22mm x 13mm x 5 mm

Contact Info

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