cobra glove

Synertial

Synertial Cobra Glove

Synertial are the industry standard in motion capture. The Cobra gloves are the result of over 25 years of motion capture research and technological innovation.

Synertial's matchless motion capture gloves are the first choice for virtual reality integration, data collection, digital factory design shops and academic research.

The unique skeleton & calibration modification capabilities ensure that the gloves track every movement, delivering supremely accurate, repeatable measurements.
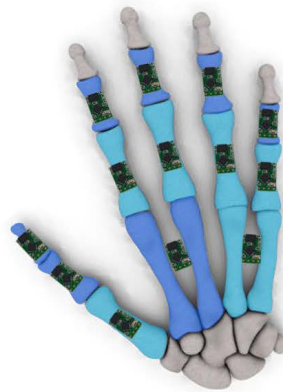
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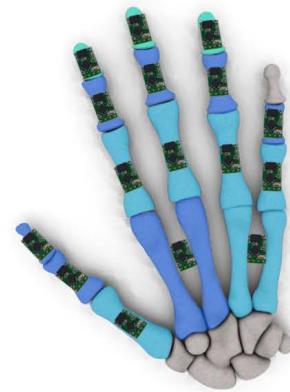
YEARS

Cobra Gloves

Features:
Matchless precision motion capture
Occlusion-free finger capture
Zero drift
Choice of 7, 13 orl 6 sensor glove systems

7-Sensor	13-Sensor	16-Sensor

Capture pinching, finger crossing, thumb caressing accurately, repeatedly
Computer Vision SW measures exact finger phalanges lengths
Calibrate with repeating precision using Synertial's patent pending jig's
Swap sensors from left to right/or other sizes in minutes
Timestamps every frame
Optional extra arm sensors
Hot Swap batteries
Short fingered and long fingered glove-cloths available in SS, S, M, and L sizes

Includes Synertial's bespoke software:
Kinexact-hand: use a typical office scanner to precisely map hand skeletons
Syndash: edit and manage kinematic skeleton structures and calibration methods
Synshow: Diagnostic and local co-ordinate management
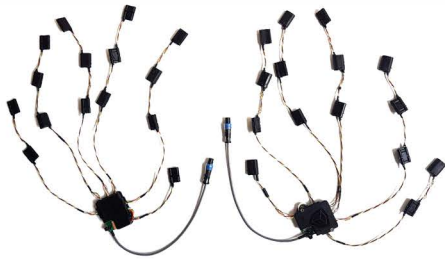Synertial Plug-ins supplied for Unity, UE4, Motionbuilder, Tecnomatix

3rd party compatibility:
Integrate with Blade, Motive, Siemens PLM/Jack PSH Synchronize with
Vicon, Optitrack and Xsens systems

What's in the box

Glove Cloth(s)*

Glove electronics

Network config cable

WiFi hub

5vDC Battery pack or
Anker battery pack

Belt strap

Arm strap

Thumb straps

Glove cables

*Cobra gloves supplied as single or pairs

Tech Specs

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: 16Gs
Sensor dimensions: 15mm x 10mm x 2mm

Contact Info

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