

# cobra glove

 Synertial



# Synertial Cobra Glove

Synertial are the industry standard in motion capture. The Cobra gloves are the result of over 27 years of motion capture research and technological innovation.

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

Synertial's unique skeleton calibration and multiple sensors ensure that the gloves track every movement, delivering supremely accurate, repeatable measurements



# Cobra Glove

## **Features:**

Matchless motion capture

Zero drift

Choice of 7, 13 or 16 sensor glove systems

Capture pinching, finger crossing, thumb caressing along the finger and more

Synertial's precision 2D hand-scanning software measures hand skeleton

Calibrate using Synertial's jig

Swap sensors from left to right/right to left glove in seconds

Naked finger tips

Occlusion-free finger capture

Timestamps every frame; up to 1000 FPS (29.97 standard)

Optional extra arm sensors

Change batteries without needing to restart or recalibrate

Short fingered and long fingered glove-cloths available in SS, S, M, and L sizes

## **Includes Synertial's bespoke software:**

Kinexact-hand: use a domestic scanner to precisely map any hand skeleton

Syndash: edit and manage your skeleton calibration to ensure zero drift

Synshow: live glove sensor activity monitoring

Synertial Plug-ins supplied for Unity, UE4, Motionbuilder

## **3rd party compatibility:**

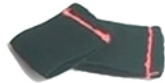
Integrate with Blade, Motive, Tecnomatix PLM, Siemens PSH

Synchronize with Vicon and Optitrack systems

# What's in the box



Cobra Glove(s)\*



Thumb straps



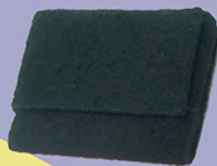
USB config cable



Wireless hub



5vDC Battery pack



Belt strap



Arm strap



Glove cables

\*Cobra gloves supplied as single or pairs

# Tech Specs

## **Processing hub:**

Up to 240 HW fps; 120 standard

Start-up in under 3 Seconds

AA Batteries, 5vDC wall adapter or power bank

Separate sync HW up to 1000 FPS (Standard 29.97 FPS),  
drawing power from main hub

WiFi; buy off-the-shelf router and configure as per your needs

Multiple PCs can run the same HW

12.8cm x 7.8cm x 2cm & locking connectors

WiFi, Ethernet or USB

## **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

Dimensions: 15mm x 10mm x 2mm

# Contact Info

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