

PORTABLE MOTION CAPTURE

Portable motion capture systems are advanced movement analysis solutions designed for use outside traditional lab environments. They use smartphone cameras to capture full-body motion in real time, converting video into accurate 3D biomechanical models. These systems support detailed analysis of joint angles, movement patterns, and performance metrics across activities like walking, squatting, jumping, and sport-specific tasks. Built for clinicians, performance coaches, and researchers, portable motion capture enables objective, data-driven assessment in clinics, gyms, and field settings. By combining ease of setup with lab-level insights, it offers a practical, scalable approach to movement evaluation, rehabilitation tracking, and performance optimization.

OPERATES INDOOR/OUTDOOR
WITHOUT SUITS OR LAB

DELIVERS RESULTS WITHIN
MINUTES AFTER UPLOAD

TWO IOS DEVICES
REQUIRED FOR CAPTURE

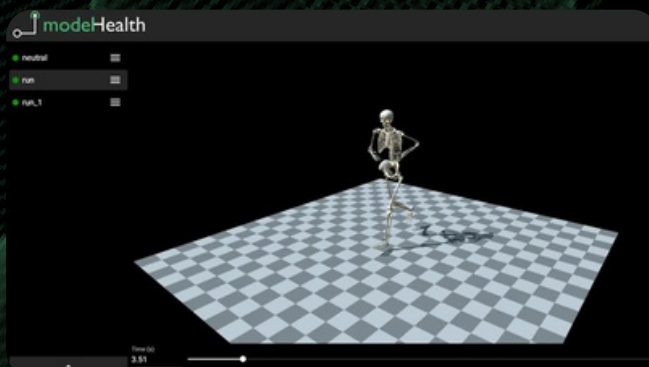
ONE-TIME SETUP
UNDER 5 MINUTES

SOFTWARE AUTOMATICALLY
GENERATES VISUAL REPORTS

SUPPORTS ANALYSIS OF
FUNCTIONAL MOVEMENTS

CONVERTS VIDEO INTO ACCURATE
3D BIOMECHANICAL MODELS

RUNS ON AWS WITH HIGH
SECURITY STANDARDS



- Automatic report generation with clinically validated, repeatable assessment results, delivering consistent & reliable outputs every assessment
- Lightweight and portable design allows quick setup across clinics, training facilities, and field environments

Technical Specifications



Dual-View Capture

Requires two iOS devices for dual-view capture and 3D reconstruction



Multi-View Upload

Captures multi-view video uploaded to secure cloud servers for processing



Cloud Processing

Uses automated cloud processing with computer vision and AI technology



3D Biomechanical Outputs

Produces accurate joint angles, angular velocities, displacement data



Time-Series Metrics

Outputs rich movement metrics tailored to functional tests



Scientific Validation

Validated against marker-based lab systems for accuracy



Quick Setup

One-time setup can be completed in under 5 minutes



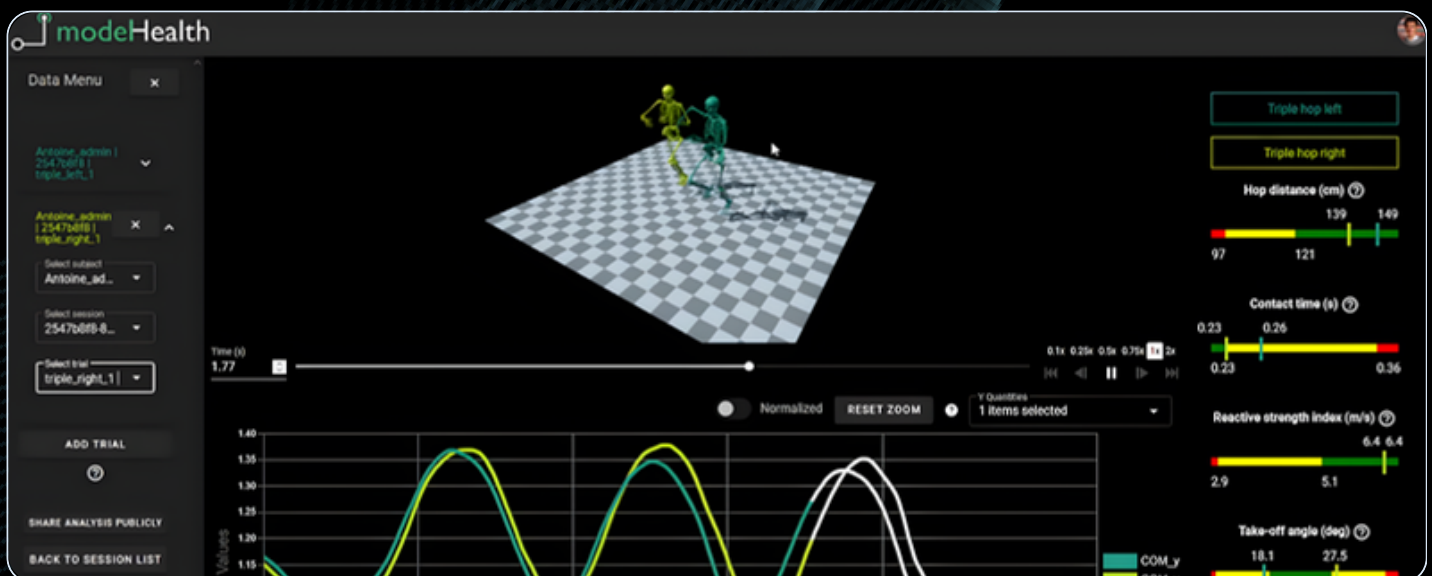
Fast Results

Delivers kinematic results within minutes after upload



Flexible Environment

Works indoors or outdoors with no specialized equipment



We are a complete solution provider for all your Sport Science, Biomechanics, SnC, Physiology, Data Management, Data Analysis, & High Performance Management needs. We are your partners in excellence!

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