



The most advanced data acquisition and analysis system in the market offers precise measurement of human motion for applications using Qualisys Oqus Cameras

The MotionMonitor™ with Qualisys Cameras

The MotionMonitor is a totally integrated real-time data collection, analysis and 3D visualization system that will enhance your experience with Qualisys cameras:

- ❑ Speed system setup and shorten learning curves with a complete **Turn-Key System**
- ❑ Simplify acquisition with **synchronous data collection** from markers, force plates, EMG, eye trackers, video and other analog data.
- ❑ Generate all kinematic and kinetic data including **joint forces and moments** using extremely powerful but intuitive, drop down menus.
- ❑ Define new variables in real-time using standard mathematical notation **without the need for programming skills.**
- ❑ Use sophisticated **Data Reduction Functions** to automate event marking, normalization, and ensemble averaging of data.
- ❑ Enhance productivity with support for specific applications in:
 - Gait & Balance
 - Motor Control,
 - ISB Shoulder Protocol,
 - In-vitro Research,
 - Biofeedback,
 - Neuroscience,
 - Eye Tracking for 3D Gaze,
 - Virtual Reality,
 - CT-MRI Registrations,
 - Sports Performance Enhancement.

Running-Cut Activity

Cycling Activity



...The Total Solution in Motion Capture®

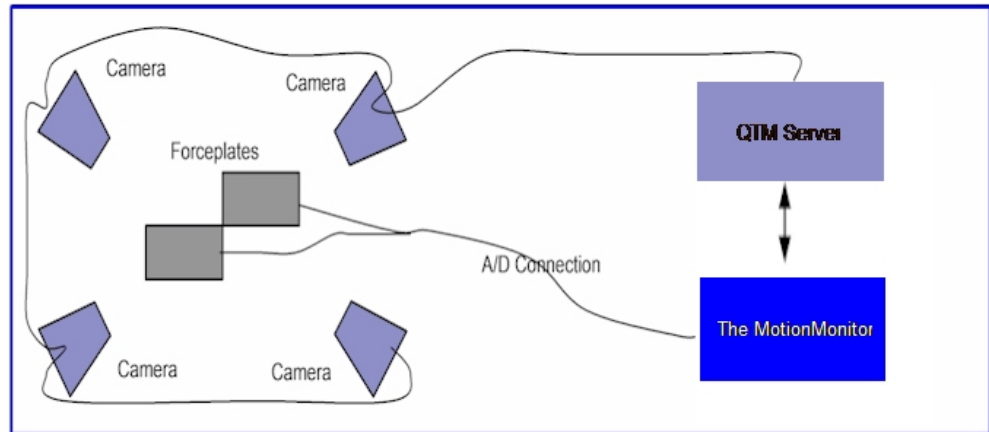
Real time **data** acquisition, analysis, and 3D visualization.
Turnkey **hardware** solutions. Upgradeable as your needs change.
Research Design & System Engineering **consultation**.

The MotionMonitor™ is a trademark of Innovative Sports Training, Inc.

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Configuration Alternatives

The basic connection of a Qualisys camera system with The MotionMonitor is depicted in the diagram to the right. Cameras communicate by TCP/IP directly to the QTM Realtime Server. The QTM server connects to The MotionMonitor by external Ethernet if they are running on two computers or internal Ethernet if they are running on one computer. Peripherals and Analog Devices such as forceplates and EMG connect to The MotionMonitor's A/D Option.



New User...I Need The Works!

There are several configurations including laptops, desktops, and rack mounted. The most convenient configuration includes a shock-mounted rack on casters which is suitable for shipping. The rack, measuring 23" x23" x23", and houses The MotionMonitor base Unit, QTM Server software and AD Interface Panels in one unit for easy transport within or between labs. The system shown here includes a 3 camera Oqus system integrated with Eyelink II (not shown) and RunTech EMG system.



Adding The MotionMonitor to an Existing Qualisys System

As an experienced Qualisys user, you have the basic hardware in place. If the computer now running QTM (the QTM Server) meets specifications, simply install The MotionMonitor software. It is easy to do and we will even do it for you during your training session.

Adding Qualisys to an Existing MotionMonitor System

As an existing user of **The MotionMonitor**, your system is seamlessly upgradeable. Just add QTM software and cameras to your base unit and you are good to go!

