

# Raptor-12 Digital RealTime System

The Raptor series of motion capture systems allow our customers to capture motion outdoors as well as indoors without changing any of the hardware or software on the system. Motion Analysis has developed an exclusive new proprietary image processing software which is embedded in the Raptor cameras.

The Raptor cameras have twenty times the processing power of our previous generations of cameras to accomplish all of the required image processing computations. This new software addresses the various challenges of working outdoors in direct sunlight as well as indoor environments where reflections and lighting conditions can also affect a capture, while maintaining extreme accuracy and real-time capabilities.

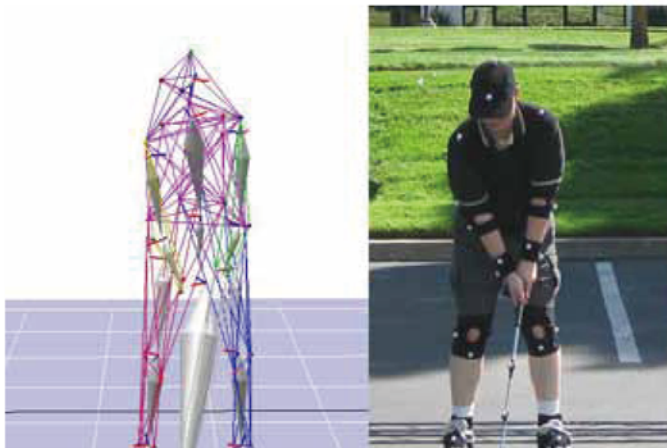


## Raptor-12 Digital Camera

At the head of the cast of Raptors is the newly released Raptor-12, the first motion capture camera with components designed exclusively for motion capture capability: New processor, firmware, sensor and ringlight. These new components, coupled with the combination of superior sensor and camera design, easily surpass any other camera currently available.

The Raptor-12 operates up to 150 fps at a full resolution of 4096 x 3072 pixels (12MP). Varied resolutions include 200fps with 9.4MP, 300fps with 6.3MP, 500fps with 3.8MP, and 900fps with 2.0MP.

With a high-speed electronic pipelined global shutter, each pixel measures 5.5 x 5.5  $\mu\text{m}$ , assuring the highest light efficiency in the industry. As with other MAC digital cameras, the Raptor-12 is field upgradeable via email, compatible with other MAC digital cameras and supported with Cortex software.



## Raptor-12 Digital RealTime System

The Raptor-12 Digital RealTime System consists of Raptor-12 digital cameras and Cortex software, which captures complex motion with extreme accuracy. Real-time capabilities allow our customers to see capture results at the same instant as the subject is performing a specific task. Post processing data this clean is minimal, if at all, and Sky Scripting can be used to quickly process results and do batch processing.