

Raptor-12HS 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-12HS Digital RealTime System

The Raptor-12HS Digital RealTime System consists of Raptor-12HS 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.

Raptor-12HS Digital Camera

At the head of the cast of Raptors is the newly released Raptor-12HS, a 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-12HS operates up to 300 fps at a full resolution of 4096 x 3072 pixels (12MP). Windowed resolutions at higher frame rates are also possible. With a high-speed electronic pipelined global shutter, each pixel measures 5.5 x 5.5 μm , assuring the highest light efficiency in the industry. As with other MAC digital cameras, the Raptor-12HS is field upgradeable via email, compatible with other MAC digital cameras and supported with Cortex software.

