

Osprey Digital RealTime System



Motion Analysis announces a small format solution for those who want the technical superiority of a passive optical motion capture system at an economical price: *The Osprey Digital RealTime System*.

Osprey Digital Camera

The Osprey is a small, compact camera capable of 245 fps with a sensor size of 640 x 480 pixels (.3 million) offers the benefit of all-digital technology using the full software capabilities supplied with other MAC cameras. The Osprey System is especially suited for applications requiring portability.

The Osprey Digital RealTime System consists of Osprey digital cameras and Cortex software. An eight camera system will allow you to capture in an area approximately 3 meters by 3 meters by 2.5 meters with sub-millimeter accuracy.

The Osprey Digital Cameras provide today's motion capture technicians with a tool that assures reliable and

accurate data. With digital technology there is no degradation of the signal over distance, less noise, and no resampling of data on another piece of electronics. The Osprey Digital Camera signal is sent directly to the tracking computer via an Ethernet connection. The greyscale image processing is embedded in the camera so that the main CPU can perform the 3D reconstruction and calculations in real-time. This streamlined system of motion capture from camera to computer means less hardware and easier maintenance. The FPGA (field programmable field array) built into the Osprey is software and firmware upgradeable via the Internet - moving of the cameras is not necessary.

Osprey cameras can be used with other Motion Analysis digital motion capture cameras, permitting the future expansion of system capabilities.

Osprey System Includes

- Osprey cameras and cables
- Camera carrying case
- Power hub
- Gigabit Ethernet switch
- Marker kit
- Calibration frame and wand set
- Cable to synchronize for analog data collection
- Cortex software

