



High-speed video camera for your Motion Capture system

The Video camera 210c is a dedicated video camera that can be calibrated together with an motion capture system from the same platform, providing a video image that is fully synchronized with the mocap system.

The camera is calibrated together with the rest of the system, without the need for manual intervention. This makes it effortless to get 3D data overlaid on top of the video image, which provides additional visual aid for the user.

With its on-board MJPEG encoder, the camera is able to stream full HD video (1080p) at 24 frames per second. If you do not need the full 2 megapixel resolution, you have the option to trade pixels for speed. Run 60 fps with full field of view or 95 fps at VGA resolution.

FEATURES

- Seamless QTM integration
- High-speed color video
- 3D data overlay (when calibrated together with mocap system)
- Stream video in 2 MP @ 24 fps or 0.5 MP @ 62 fps
- Record in 0.5MP @ 665 fps (full FOV) and even faster with reduced FOV (buffered)
- Water resistant IP67 housing¹
- Run standalone or together with mocap system

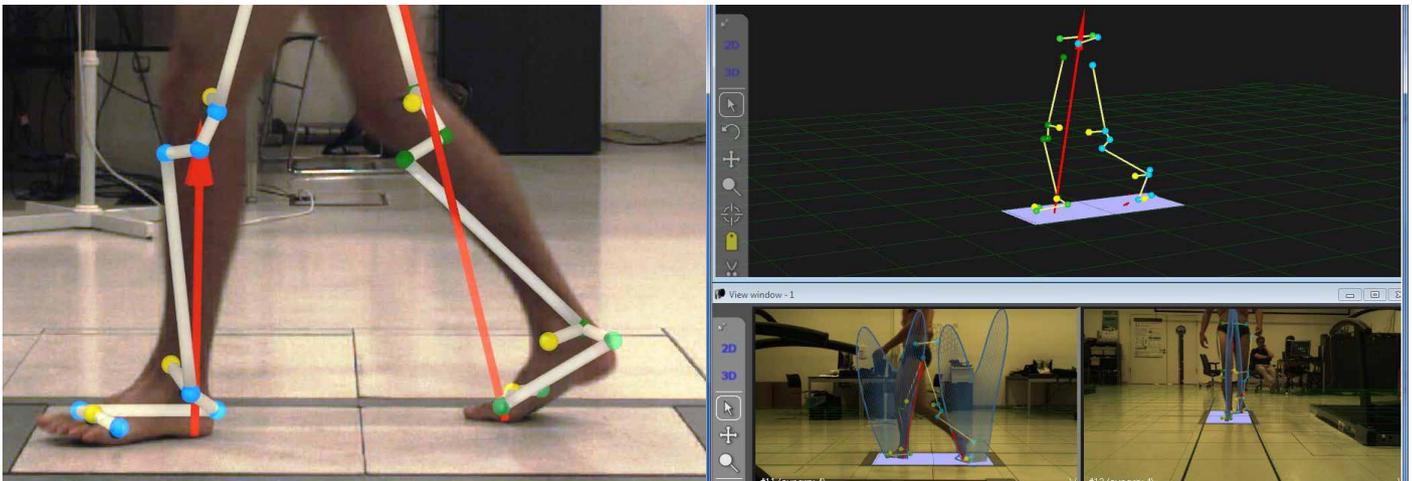
¹ Optional accessory/feature, not available for all camera models.

ONE SYSTEM, ONE SOFTWARE

In addition to streaming, the camera is also capable of buffering video. This allows you to run 1080p at 340 fps for a shorter time. At reduced resolution it can go above 1000 fps.

Traditionally you would complement your motion capture system with a number of video cameras, which require additional hardware and software. With a Qualisys system your video and motion capture cameras will play together seamlessly as a single system. No additional software or hardware is needed, just setup the camera in QTM like any other camera.

The Video 210c cannot be used to capture markers, except during calibration.



When the camera is calibrated together with the mocap system, 3D data can be aligned and drawn on top of the image.

Video from the camera integrates seamlessly into the Qualisys Track Manager software.

SPECIFICATIONS

Camera type	Synchronized color camera
High speed video	Yes
Video overlay	Yes, through regular wand calibration
On-board compression	MJPEG
Lens	12.5 mm, 46° x 27° FOV (additional options available)
Strobe type	White LEDs
Synchronization options	Internal 1ppm clock/ext. freq. output/ext. word clock. input/smpte input
Cabeling	Hybrid cable with Ethernet and power
Wired communication	Hub-less daisy-chained Ethernet 802.3 @ 100Mbps
Power	Daisy-chained, 36-72 VDC @ 30 W maximum
Operating temperature	0-35 °C
Camera body	185 × 110 × 124 mm (7.3 × 4.3 × 4.9 inches) Weight: 1.9 kg (4.2 lbs)

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