

CAMERA TO CAPTURE MOVEMENTS

Brand: QUALYSIS

Code: Miquis Hybrid



Features:

QUALYSIS System with cameras. Optical system that captures movement through optoelectronic cameras, to measure the position of moving objects quickly and with high precision, in covered settings, outdoors or underwater. Used for health sciences in injury prevention and rehabilitation; in sports science to improve performance in biomechanics; in ergonomics helping engineers build better products and increasing production efficiency, as well as different applications in animation and virtual reality.

The Miquis Hybrid camera gives you the possibility to perform either marker-based tracking or markerless tracking with the same camera system.

Miquis Hybrid is a dual mode camera capable of streaming full HD color video at 85 frames per second or streaming marker data at 340 frames per second. Switching between marker-based motion capture and collecting color video for markerless motion capture is as easy as pressing a button in Qualisys Track Manager (QTM).

Since it can act as a ground truth system, the Miquis Hybrid solution is the perfect choice for those conducting research of markerless tracking algorithms. It allows you to jump-start the research projects by providing synchronized and calibrated cameras.

Both marker-based and markerless tracking

In Marker mode, the camera uses the near IR strobe (850 nm) for the illumination of markers.

Two modes, marker mode or video mode

Seamless QTM integration, Marker stream: 2 MP @ 340 fps



Video stream: 2 MP @ 85 fps

Fast setup with combined power & Ethernet

Technical Specifications:

Video output

Full HD 1920 x 1080 @ 85 fps

HD 1280 x 720 @ 180 fps

0.5 MP 960 x 540 @ 330 fps

VGA 640 x 480 @ 550 fps

Marker-mode output

Normal mode full FOV

Pixels 2 MP

Resolution 1920 × 1088

Frame rate 340 fps

Field-of-view options

Standard 61° x 37° FOV

Narrow 46° x 27° FOV

Wide 83° x 53° FOV

Strobe light Infrared

Filter Dual band-pass

Color Yes

Auto-exposure Yes

Connection 1-connector daisy-chained Gigabit Ethernet and power

Operating temperature 0-35°C / 32-95°F

Camera capture rate is 120 Hz

Camera body Die-cast aluminum and polycarbonate

Weight 700 g / 1.5 lbs

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