Miqus Hybrid

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

Miqus 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 Miqus 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.
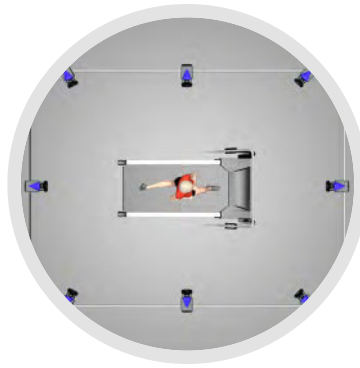
FEATURES

- Both marker-based and markerless tracking
- Two modes, marker mode or video mode
- Seamless QTM integration
- Marker stream: 2 MP @ 340 fps
- Video stream: 2 MP @ 85 fps
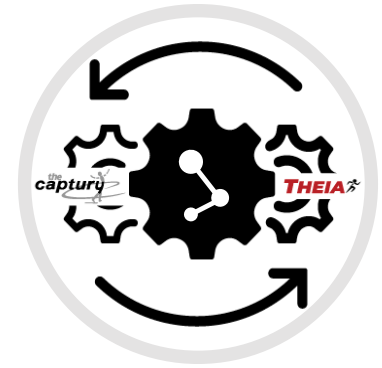- Fast setup with combined power & Ethernet

Portable system
Fast setup with combined power and Ethernet in a daisy-chained connection

Hybrid Solution
Choose to perform either marker-based or markerless tracking.

Markerless integration
Seamlessly integrate with Theia and The Captury software.

TECHNICAL SPECIFICATIONS

Miqus Hybrid

		Miqus Hybrid
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 body		Die-cast aluminum and polycarbonate
Weight		700 g / 1.5 lbs

Read more about the markerless and marker-based solutions we offer by visiting: qualisys.com/applications/markerless-motion-capture.