



Capture more with less

The Qualisys Miquis camera fits everything you need for your next motion capture project in a small and lightweight camera body.

Just like our other cameras, the Miquis cameras are designed to capture accurate mocap data with very low latency. It is just as suitable in small 3-camera systems as in large 100+ camera systems. This makes the Miquis suitable for a wide range of applications.

With daisy-chaining and combined power and Ethernet, setting up a mocap system has never been easier. The new connector means that a single cable that carries both data and power connects the line of cameras.

The Miquis is now available in three models:

Miquis M1, Miquis M3 and Miquis M5.

FEATURES

- High-speed motion capture
- Resolution: 1, 2 & 4 MP
- Wide field of view
- Low latency for real-time applications
- Fast setup with combined power & Ethernet
- Daisy-chaining (no switch required)
- Silent operation
- Identification LED-ring
- Kensington lock

TECHNICAL SPECIFICATIONS

Camera output modes	Marker coordinates / video preview
Marker support	Passive marker only
Camera body	Convection cooled, custom die-cast aluminum and polycarbonate
Strobe	Invisible infrared light (102 NIR LEDs @ 850 nm)
Connection	1-connector daisy-chained Gigabit Ethernet and power
External sync	Possible with external sync unit
Operating temperature	0-35 °C, contact us for wider temperature ranges
Camera body	140 × 84 × 84 mm (5.5 × 3.3 × 3.3 inches) Weight: ~0.7 kg (1.54 lbs)
Calibrated video reference	Miqus Video - color & monochrome
Anti-theft	Kensington lock



MIQUS

		Miqus M1	Miqus M3	Miqus M5
Normal mode (full FOV)	Pixels	1 MP	2 MP	4 MP
	Resolution	1216 × 800	1824 × 1088	2048 × 2048
	Frame rate	250 fps	340 fps	180 fps
High-speed mode (full FOV)	Pixels		0.5 MP	1 MP
	Resolution	N/A	912 × 544	1024 × 1024
	Frame rate		650 fps	360 fps
Camera latency		2.9 ms	2.9 ms	5.5 ms
System latency		5 ms	5 ms	7 ms
Standard lens (FOV)		58° × 40°	64° × 41°	49° × 49°
Optional (FOV) wide		N/A	80° × 53°	N/A
Optional (FOV) narrow		41° × 27°	44° × 27°	25° × 25°
Active filtering (improved outdoor support)		No	No	No
Sun filter		No	Yes	Yes
High-speed video option		No	No	No
Max range with 16 mm marker		10 m	15 m	18 m
Lens mount		C	C	C