



## 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  |
| 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

|   |            | Miqus M1   | Miqus M3    | Miqus M5    |
|---|------------|------------|-------------|-------------|
| Normal mode<br>(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<br>(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           |