



Outdoor Motion Capture

For the last 30 years, Qualisys has been a leading provider of motion capture technology, providing dependable hardware solutions for any given environment.

Our cameras has been successful in providing engineers and researchers with hardware built to withstand various environmental obstacles.

The latest hardware add-on is the Sun Filter that effectively blocks strong ambient light from interfering with the measurement. The filter is custom-made for a selection of the cameras to provide the absolute best performance when capturing outdoors in extreme sunlight.

At the other end of the weather scale, moisture and rain are also a challenge for outdoor motion capture. By combining the IP67 weather protected housing with the Sun Filter, you end up with a truly versatile outdoor motion capture system, working for you in rain or shine.

FEATURES

- High-speed motion capture
- High-speed video¹
- High resolution
- Low latency for real-time applications
- Passive & active marker support
- Active filtering for outdoor capture
- High performance in of conditions of extreme sunlight with the Sun Filter
- Water resistant IP67 housing¹
- Daisy-chaining (no switch required)
- Sun Filter

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



Sun Filter

Capture outdoors in the most extreme light conditions without sacrificing frame rate.



Outdoor mocap

Active filtering dramatically increases the ability to capture passive markers outdoors.



Water resistant housing¹

The IP67 classified version of the Oqus is perfect for marine or outdoor applications.

SUN FILTER

The Sun Filter is a custom made bandpass filter, engineered to match selection of the cameras perfectly. It removes more than 97% of the solar light with only a 20% reduction in strobe efficiency. In practical terms this can be the difference between a successful motion capture session and a failed one when working in strong sunshine.

The capturing outdoors is possible due to the Sun Filter or a tool called active filtering, an in-camera hardware operation that greatly improves performance in bright capture environments. The Sun Filter can be used without active filtering to achieve the highest frame rates, but can also be combined with active filtering in instances of really extreme sunlight. This is completely unique in the motion capture industry.

CAMERA SELECTION GUIDE FOR OUTDOOR MEASUREMENTS



Requirement	Miquis M1	Miquis M3	Miquis M5	5+	6+	7+	5+, 6+, or 7+ with Sun Filter
Outdoor Capabilities	-	-	-	+	+	+	+
Long distance outdoors	x	x	x	+	+	+	+
Fast movement, high frame rate outdoors	x	x	x	x	-	-	+
High performance with extreme sunlight	x	x	x	x	x	x	+

Not recommended x

Possible -

Recommended +