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

The Oqus line of cameras has been successful in providing engineers and researchers with hardware built to withstand various environmental obstacles.

The latest addition is the Oqus 7+ Sun Filter that effectively block strong ambient light from interfering with the measurement. The filter is custom made for the Oqus 7+ camera to provide the absolute best performance and makes it possible to perform motion capture outdoors in very bright sunlight.

In the other end of the weather scale, moist and rain is also a challenge for outdoor motion capture. By combining the IP67 weather protected housing with the Oqus 7+ Sun Filter, you end up with a truly versatile outdoor motion capture system, working for you regardless of the weather.

FEATURES

- High-speed motion capture
- High-speed video\(^1\)
- 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 Oqus 7+ Sun Filter
- Water resistant IP67 housing\(^1\)
- Daisy-chaining (no switch required)

\(^1\) Optional feature.
Oqus 7+ Sun Filter

The Sun Filter is a custom made bandpass filter, engineered to match the Oqus 7+ camera perfectly. It removes more than 97% of the solar light with only a 20% reduction in strobe efficiency. In practical terms during strong sunshine, this means the difference between a successful motion capture session and a failed one.

The Oqus 7+ Sun Filter can be combined with active filtering, an in-camera hardware operation that greatly improves performance in bright capture environments. In other words, the Oqus 7+ 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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Miqus M1</th>
<th>Miqus M3</th>
<th>Oqus 3+</th>
<th>Oqus 5+</th>
<th>Oqus 7+</th>
<th>Oqus 7+ w/ Sun Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outdoor Capabilities</td>
<td>-</td>
<td>-</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Long distance outdoors</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Fast movement, high frame rate outdoors</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>High performance with extreme sunlight</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>+</td>
</tr>
</tbody>
</table>

Possible ● Not recommended - Recommended +