



Short Range Active Marker

Qualisys is the only motion capture company in the world that supports both passive and active markers together with the same hardware and software.

Active markers are used in both biomechanical and industrial applications. They are the preferred choice when the measurement objects are highly reflective or dusty, making passive marker measurements extremely hard to collect.

FEATURES:

- Up to 500 fps with 160 markers
- Automatic identification
- Use both active and passive markers with the same software and hardware
- Maximum frame rate is independent of number of markers
- Over 25 meters measurement distance
- Exchangeable & chargeable battery

WHEN TO USE

- When measuring objects that are highly reflective
- Disturbing environments such as those with steel or sun reflections
- Dusty environments

SHORT RANGE ACTIVE MARKER - SEQUENCE CODED

The short range active markers are sequence coded to enable marker identification without the need for model-based identification. This can be very handy when movements of objects are irregular or lack inter-marker consistency.

Unlike other active marker motion capture systems, the maximum frame rate is not dependent on the number of markers used. This means that 160 markers can run up to 500 fps.

PERFORMANCE

The active marker system consists of a driver unit capable of driving up to 32 markers through four daisy-chained outputs. The markers are small, lightweight and can be attached to the skin with regular double adhesive tape.

The driver has an integrated battery, which can either be charged in the drive unit or replaced with another battery and charged in a standalone charger. The battery is built to last a day of normal measurements.



PACKAGE CONTENTS

- 1 driver for 32 markers
- 2 batteries with battery charger
- IR receiver and sync cable, 2 meters
- Belt clip
- 4-marker or 8-marker chains are sold separately



SPECIFICATIONS

Driver	83 × 52 × 15 mm, 99 gw
IR marker	16 × 11 mm, 3g
Frequency range	1-500 fps
Number of markers per driver	Up to 32 markers
Total number of markers	Up to 5 drivers, up to 160 markers
Maximum measurement distance	more than 25 meters
Battery time, 200 fps, 16 markers	4 hours 30 min
Time to charge battery	2 hours
LED peak wavelength	850 nm

Qualisys reserves the right to change specifications without notice. For a complete description of the Short Range Active Marker, please refer to the technical reference.

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