

Max300 High Speed Motion Capture Camera

Max300 is a high speed, high resolution camera system for 3D motion capture applications. It offers the best price performance in the industry. With high subpixeling resolution and frame rates up to 10,000 Hz it can handle any of your demanding applications. Up to 224 cameras can be networked and synchronized for accurate tracking. Together with our MaxPRO software, it creates a powerful, yet affordable, motion capture solution. The camera provides input and output signals to synchronize external equipment such as EMG, Force Plates etc. Cameras are daisy-chained with PoE making it easy to setup and connect the cameras. A 1 GB frame buffer allows you to store and upload fully synchronized video for video overlay or side-by-side.



The Max300 camera comes in 3 different models, Max300 standard, suitable for most applications, Max300W with waterproof housing and cyan light for underwater applications and Max300S when shock resistance is needed.

Max300 Specifications

- GigaBit Ethernet Interface with camera daisy chain
- Scalable network from 1 camera to 224 cameras
- Use up to 256 markers with MaxPRO
- 2048x1088 native resolution
- 10-320 fps at full resolution
- 1/32 sub-pixel resolution
- 0.02 mRad Accuracy
- Up to 10,000 fps with reduced resolution
- Video output through Gigabit Ethernet and HDMI
- Real time marker detection, extraction and streaming
- Software controllable gain, exposure, frame rate and threshold
- True synchronous snap shutter to eliminate image blurring and distortion
- Marker information includes centroid, size, average intensity and orientation
- Sun light and background suppression make the system ideal for outdoor applications
- NIR illuminator synchronized to shutter exposure for best motion capturing performance
- Camera can simultaneously record high speed video while streaming out marker information
- Light Sensivity: Sub 0.01 lux (F1.4 lens without IR illuminator)
- Lens mount: C or CS
- Image Sensor Size: 2/3"
- Frame Buffer Size: 1 GB
- Power Input: 15V-50V, 6W
- Temperature Range: - 30 to 70°C
- Optional IP67 Waterproof Enclosure
- Optional Shock Resistant Enclosure

