

Max100 Motion Capture Camera

Max100 is a professional 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 400 Hz it can handle any of your demanding applications. Up to 14 cameras can be networked and synchronized for high accurate tracking. Together with our MaxPRO software, it creates a powerful and affordable motion capture solution. The Hub provides input and output signals to synchronize external equipment such as EMG, Force Plates and high speed video. Cameras are daisy-chained and the Hub provides power to up to 14 cameras making it easy to setup and connect the cameras.

The Max100 camera comes in 3 different models, Max100 standard, suitable for most applications, Max100W with waterproof housing and cyan light for underwater applications and Max100S when shock resistance is needed.



Max100 Specifications

- Ethernet Interface
- 14 cameras on one Hub
- 10-120 FPS. 200 FPS with two row binning, 400 FPS with 4 row binning.
- 1/32 subpixel resolution
- WVGA detector resolution 752x480
- Use up to 256 markers with MaxPRO
- Real time marker detection, extraction and reporting. Accuracy 0.05 mrad
- Marker information includes centroid, size, average intensity and orientation
- Software controllable gain, exposure, frame rate and marker detection threshold
- Cameras are daisy chained with one cable and inline power to simplify cabling
- Digital image can also be displayed through EtherHub
- Enhanced NIR performance to 1100 nm
- NIR illuminator synchronized to shutter exposure for best efficiency
- True synchronous snap shutter to eliminate image blurring and distortion
- Sub 0.01 lux light sensitivity (F1.4 lens without IR illuminator)
- NTSC video output for camera setup and video recording
- Image Sensor: 1/3"
- Lens mount: C or CS
- Power: 7V-15V
- Operating Temperature Range: -45C to 85C
- Optional IP67 waterproof design, tested to 20 feet under water
- Optional shock resistant design

