Mega Speed®MS100K

2 Mega Pixel Digital Camera

2000 FPS @ 1920 x 1080

High Resolution, High Speed And High Quality Images At Over 2000 FPS.

4 Channel Optional Data Acquisition Module



Fully Synchronous Image Capture Capabilities, Sync in / Sync out IRIG B, Pre/ Post Trigger Mode & Segmented Trigger Mode

High Capacity Camera Memory Options Available.

Specification	S
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Sensor type: Image sizes: Maximum resolution: Minimum resolution: Maximum speed Pixel size: Shutter speed: Spectral response: ISO: A-D converter:	User defined. 1920 x 1080. 64 x 2. 2000 fps at maximum resolution. Higher speed settings at reduced image resolutions. 10 micron x 10 micron square pixel. Global Shutter 2 us to 30 ms in 1 us steps with exposure time tags. 400nm to 1000nm. 12,500 with boost on (Monochrome). 10 bit.
Trigger in requirement: Strobe out: Trigger modes: IRIG B: Editing software: File saving: Control software: Video pre-view: Camera memory: Data download: Event tagging: Playback rate:	 3 to 48 VDC, active high through BNC jack. Center pin positive. Optional switch closure. TTL 3.3 VDC via BNC jack. Center pin positive active high on exposure. Software, Manual, Pre/Post, 32 Segmented, Synchronized, Single Sequence or Scripted. IRIG B frame embedded time stamp via BNC jack. Accuracy greater than 50 microsecond. Image analysis, data acquisition, object tracking, AVI editing & image compression. User can save in RAW, AVI, JPEG, BMP, TIF, PNG or MP4 format to PC hard drive. Setup and control via camera's back panel Gigabit Ethernet. Software DLL available. Live 30 fps preview to host PC during set up and capture via Gigabit Ethernet. 16 GB DDR and optional 480 GB SSD. Real time digital image review and analysis while downloading from camera memory to control PC. Frames in captured video are marked via the "Marker" or "ADC" input jacks. User selectable in PC software from 1 to 500 fps for fast video review.
PC requirements: Networking: Camera cable: Lens mount: Camera size: Camera size: Camera weight: Camera body: Power requirements: Shock Rating:	RJ 45 Gig E connection, Windows XP, 7, 8 or 10, 2GHz, 8 GB RAM, 500 Gig HD. All switches and hubs must be Gigabit Ethernet capable. Requires Cat 6 Ethernet cable for PC connection and control. Standard "C" mount. "F" and "G" mounts available. 4.5" wide x 5" high x 6.25" long. 3lbs. Machined anodized aluminum. 120 or 240 VAC for camera power supply or 1.7 amps @ 11 - 13 V DC for direct connection. 50g for 15 milli-seconds 10 times all axis. Operational vibration meets 0.25g, from 5-500Hz.

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