

Mega Speed[®] MS55K

Maximum Camera Recording Rates At Sample Image Sizes

1020 fps @ 1280 x 1020
 2150 fps @ 1280 x 480
 116,000 fps at reduced resolutions.



MS55K

Available With Up To 32 Gigabytes Of Memory!

Specifications



Multiple Channel Data Acquisition Synchronized To Each Frame

- Sensor type: Mega Speed B/W or Color CMOS Sensor.
- Maximum resolution: 1280 x 1024.
- Pixel size: 12um x 12um.
- Shutter speed: Global Electronic Shutter 1 us to 1s in 1 us steps. (on select models)
- Spectral response: 400nm to 1100nm.
- A-D converter: 10 bits.
- Trigger: 3 to 48 VDC with trigger glitch detection from 0 to 46 milliseconds
- Trigger modes: Multiple session & multi-mode.
- Strobe out: TTL 3.3 VDC
- Camera size: 4" x 4"x 6".
- Camera weight: 1600 grams.
- PCI card: Gigabit PCI card or multiple cameras can be networked with a Ethernet hub.
- Video output: High Speed data to host PC or NTSC or PAL out put.
- Ethernet: Gigabit
- Preview mode: Optional VGA & NTSC / PAL Preview during high speed capture.
- Camera speeds: User defined in software in one FPS increments.
- Optical interface: Standard "C" Mount or "F" Mount.
- Back focus: Approximately 17.5mm from sensor surface to outer face of thread barrel.
- Power requirements: 3 amps @ 11.2 - 13 V DC
- Gain adjustments: User selectable from software.
- Image sizes: User selectable from factory defaults or by software selection.
- Capture modes: Auto-matic, manual or multiple session modes. Start/stop by trigger or hot keys.
- File saving: User can save in AVI format, JPEG or BMP format to PC RAM or hard drive.
- Image enhancement: Bitmaps can be sharpened to bring out better details in captured files.
- Camera memory: 8 - 32 Gig High Speed RAM.
- IRIG B: IRIG B Ready. Accuracy greater than .1 millisecond
- Frame marking: Multiple frames in captured video can be time stamped & marked for quick reference.
- Playback rate: User selectable from 1 to 1000 fps for fast video review.
- PC requirements: Windows XP, 7, or 8, 2GHz, 8 GB RAM, 500 Gig HD & CDRW.
- Software: Image analysis, data acquisition, object tracking, AVI editing, note tagging & image compression.
- Shock Rating: 100g for 10 milli-seconds (optional)



Hi G Crash Test Applications



Hi G Seat Ejection Testing



Hi G Rocket Sled Testing



Jet Engine & Ballistic Testing



Product Development