

Mega Speed[®] MS55K Hi-G

Maximum Camera Recording Speeds At Sample Image Sizes

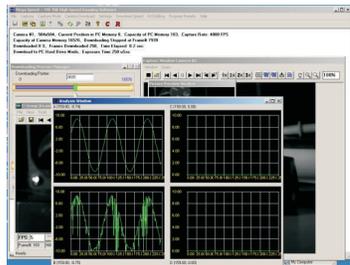
2000 FPS @ 1280 x 1020
 4000FPS @ 1280 x 480
 116,000 FPS at reduced resolutions.



MS55K

Rugged And Dependable
 High Speed Work Horse!

Available With Up To 32 Gigabytes Of Memory!



Multiple Channel Data Acquisition
 Synchronized To Each Frame

Specifications

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:	200g for 10 milli-seconds



Hi G Crash Test Applications



Hi G Seat Ejection Testing



Hi G Rocket Sled Testing



Jet Engine & Ballistic Testing



Product Development