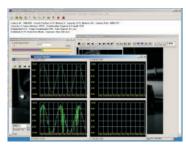
Mega Speed[®] MS50K

Capture 600 fps @ 1280 x 1024 or 1000 fps 800 x 600 Image resolution!



Multiple Channel Data Acquisition Synchronized To Each Frame



MS50K

Available With up to 32 Gigabytes Of SDRAM Memory

Specifications

		1.11
Sensor type:	Mega Speed B/W or Color CMOS Sensor.	NT L
Maximum resolution:	1280 x 1020 @ 600 fps.	- m - 10
Pixel size:	7um x 7um.	
Shutter speed:	Global Electronic Shutter 1 us to 30 ms in 1 us steps. Image size dependant.	Aircraft S
Spectral response:	400nm to 1000nm.	
A-D converter:	10 bits.	
Trigger:	TTL 3 to 48 VDC via BNC connector center pin positive active high.	
Trigger modes:	Start by TTL, stop by TTL, multiple session & Snap Shot mode.	
Strobe out:	BNC Jack. TTL 3 to 5 VDC via BNC connector center pin positive active high.	
Camera size:	4" x 4"x 6".	
Camera weight:	1600 grams.	
Camera cable:	5 meters standard, 10 to 100 meters optional. FO link is also available out to 30km.	
PCI card:	Gigabit PCI card or multiple cameras can be networked with a Ethernet hub.	
Multiple cameras	Up to 5 or more cameras per PC. Limited only by available network hubs.	
Video output:	High Speed data to host PC & NTSC or PAL out-put.	
Ethernet:	Gigabit Ethernet	
Preview mode:	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:	12 V DC Center pin positive.	
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:	4, 8, 16, 24 or 32 Gig High Speed RAM. Flash RAM also available on select models.	Sec.
Data download:	High Speed data download. Less than 90 seconds for 5 Gig from camera to PC.	Sec. 1
Data back up:	During downloading to the PC, the data can be saved to VCR via video out BNC jack	To the
IRIG B:	Video can be synchronized with an external IRIG B source.(Model dependant).	
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 or later, 2GHz, 4 GB RAM, 500Gig HD & CDRW.	
Software:	Image analysis, data acquisition, object tracking, AVI editing, note tagging & image con	pression.
Shock Rating:	50G for Industrial environments and 100g for hostile environments. (Model dependent).	



Aircraft Seat Testing



Air Bag Testing

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