

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

| | |
|---------------------|---|
| Sensor type: | Mega Speed B/W or Color CMOS Sensor. |
| Maximum resolution: | 1280 x 1020 @ 600 fps. |
| Pixel size: | 7um x 7um. |
| Shutter speed: | Global Electronic Shutter 1us to 30 ms in 1 us steps. Image size dependant. |
| 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. |
| Data download: | High Speed data download. Less than 90 seconds for 5 Gig from camera to PC. |
| Data back up: | During downloading to the PC, the data can be saved to VCR via video out BNC jack |
| 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 compression. |
| Shock Rating: | 50G for Industrial environments and 100g for hostile environments. (Model dependent). |



Aircraft Seat Testing



Air Bag Testing