Mega Speed® MS60K-AB

4 Mega Pixel High Speed Camera With Re-Moveable SATA SSD's

<u>Frame Rate Summary In High Speed Mode With 8GB</u>

615 fps @1280 x 1024 For 10 seconds
580 fps @ 1920 x 1080 For 7.0 seconds
365 fps @ 2304 x 1720 For 5.5 seconds

<u>Frame Rate Summary In Long Record Mode With 960 GB</u>

520 fps @1280 x 1024 For 20 Minutes.
350 fps @ 1920 x 1080 For 20 Minutes.
175 fps @ 2304 x 1720 For 20 Minutes.

3G SDI Video Link In 1080P Mode For Long Distance Remote Monitoring And Camera Verification Through Low Cost Coax Cable.

Re-Moveable SSD For Data Security

Mega Speed MS60K-AB Has A Re-Moveable SATA SSD For Secure Data Protection. Auto Boot & Re-Arm* Features Ensure The Camera Recovers From Any Power Failure And Will Always Be Ready To Record.

Programmable Start Times Or Pre-Post Trigger Modes Ensure No Critical Events Are Missed.

Comparison Of Camera Image Sizes

Grey area is the 1280 x 1024 Image Size

Yellow area is the MS60K-AB Full image size

Specifications

Sensor types:	Mega Speed B/W or Color CMOS Sensor.
Maximum resolution:	2304 x 1720.
Pixel size:	7um x 7um.
Shutter speed:	Global Shutter 1 us to 1 second in 1 us steps.
Spectral response:	400nm to 1100nm.
A-D converter:	10 bits.
Trigger:	3 to 48 VDC.
Trigger modes:	Automatic, Manual, Pre / Post, Multiple Session, Or Software Programmable.
Strobe out:	TTL 3.3 VDC.
Camera size:	4.2" x 4.2" x 4.2".
Camera weight:	880 grams.
Camera cable:	Up to 100 meters From Gigabit Switch To Gigabit Switch (For PC connection).
PC Interface:	Gigabit RJ 45 Jack to connect to your PC.
Networking:	Unlimited determined by available network connections to PC
Video output:	Live video review on host PC monitor When connected to a PC Or By 3G SDI
Camera battery:	Optional 30 minute Internal Li Po For Power Supply Prevention
Capture speeds:	User defined in software in one FPS increments from 25 fps to maximum speed.
Optical interface:	Standard "C" Mount. "F" Mount is optional.
Back focus:	Approximately 17.5mm from sensor surface to outer face of thread barrel.
Power requirements:	3 amps @ 11.2 - 13 VDC. Imput Range Can Be From 10 To 28 VDC.
Image sizes:	User selectable from 2304 x 1720 to 320 x 240
Capture modes:	Automatic, Manual, Pre-Post, Multiple Session Mode Or Programable Start.
File saving:	User can save camera data to internal SATA SSD or to PC if connected.
Control software:	Mega Speed Camera Control.
Camera memory:	8 Gigabyte Internal High Speed RAM **(16 GB Is Optional).** 512 Gigabyte SATA III SSD. **(960 Gigbyte SSD Is Optional).**
Data download:	High Speed data download to internal SSD or to PC when connected.
Data back up:	Internal Camera SSD or to PC when connected.
IRIG B:	IRIG B ready. Accuracy greater than .1 millisecond.
Synchronization:	All Cameras Are Sync In and Sync Out Ready. Multiple Camera Will Have Identical Internal Time.
Playback rate:	User selectable from 1 to 1000 fps for fast video review.
PC requirements:	Must have Gig E connection, Windows XP, 7 or 8 later 2GHz, 8 GB RAM, 1000 Gig HD.
Software:	Image analysis, data acquisition, object tracking, AVI editing & image compression. DLL available
Shock Rating:	200g for 10 milli-seconds.

* In high speed mode only

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