

MS85K

4 Mega Pixel Digital Camera

Available With Up To 32 Gigabytes Of Memory*

Maximum Camera Recording Rates At Available Image Sizes

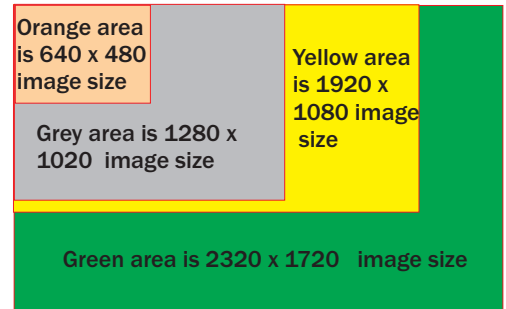
2320 x 1720 = 366 fps
1920 x 1080 = 583 fps
1280 x 1020 = 617 fps
1280 x 720 = 872 fps
800 x 600 = 1046 fps
640 x 480 = 1304 fps



Specifications

Sensor type:	Available with a B/W or Color CMOS Sensor.
Maximum resolution:	2330 x 1720.
Pixel size:	7um x 7um.
Shutter speed:	Global Shutter 2 us to 30 ms in 1 us steps
Spectral response:	400nm to 1000nm.
A-D converter:	10 bits.
Trigger in:	3 to 48 VDC.
Trigger modes:	Pre / Post, Multiple Speed, Single Sequence, Start/Stop or by keyboard hot-keys.
Strobe out:	BNC Jack. TTL 3 to 5 VDC via BNC connector centre pin positive active high.
Camera size:	4" x 4"x 4".
Camera weight:	900 grams.
Camera cable:	Requires Cat 6 Ethernet cable for PC connection and control.
PC Interface:	Gigabit RJ 45 Jack to connect to your PC.
Video output:	30 fps live preview to host PC during high speed capture. NTSC, PAL or 3G outputs are optional.
Networking:	Limited by available network connections.
Camera speeds:	User defined in software in one FPS increments.
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 - 13 V DC
Image sizes:	User selectable from factory defaults or by software selection.
Capture modes:	Automatic, Manual, Pre / Post, Multiple Session Mode. Start/stop by trigger or hot-keys.
File saving:	User can save in RAW or AVI format, JPEG or BMP format to PC RAM or PC hard drive.
Control software:	Ships with Camera Control software.
Camera memory:	4 Gig to 32 Gig. High Speed Memory. Internal SSD's are available on select models.
Data download:	High Speed data download. Less than 45 seconds for 5 GB. from camera to PC.
Data back up:	Internal Solid State Drive is optional.
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 in PC software from 1 to 500 fps for fast video review.
PC requirements:	Must have 10/100/1000 Gig E connection, Windows XP, 7 or later 2GHz, 8 GB RAM, 500 Gig HD.
Software:	Image analysis, data acquisition, object tracking, AVI editing & image compression. DLL available.
Shock Rating:	100g for 10 milli-seconds.

Format Comparison Of Available Camera Image Sizes



* Long Body Housing Required for Memory Amounts Greater Than 8GB.