MS100K-SC

RESOLUTION AND FPS

Min FPS: 20			Approx. Record Time (Seconds)	
Width*	Height	Max FPS	16 GB RAM	32 GB RAM
1920	1080	2,160	3.8	7.7
1920	800	2,910	3.8	7.7
1920	720	3,230	3.8	7.7
1920	480	4,830	3.8	7.7
1920	320	7,220	3.9	7.7
1920	120	18,800	3.9	7.8
1920	64	34,200	4.0	8.0
1920	32	64,400	4.2	8.4
1920	16	115,000	4.6	9.2
1280	1024	2,270	5.7	11.5
896	600	3,870	8.2	16.5
640	480	4,830	11.5	23.1
256	256	9,000	29.0	58.0



SAMPLE APPLICATIONS



Automotive Testing



Aerospace



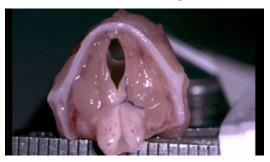
Food Processing



Beverage Packaging



Surface Mining



Biology Study

Ph#: 1-800-565-2772

EM: sales@megaspeedusa.com

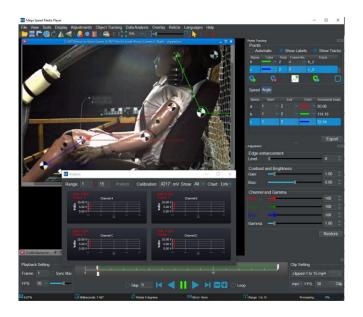
MS100K-SC

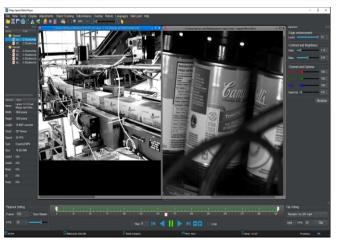


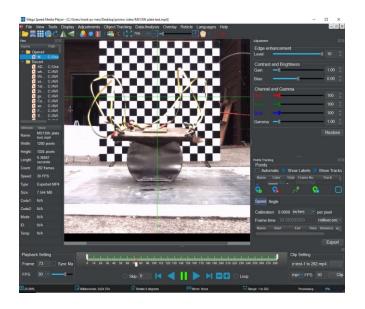
- 1: Gigabit Ethernet
- 2: Power On LED
- 3: 12 VDC In
- 4: Ready Out
- 5: IRIG B
- 6: Sync In
- 7: Sync Out
- 8: Trigger
- 9: On/Off
- 10: Standard "C" Mount
- 11: Armed LED
- 12: Ready LED
- 13: Record LED

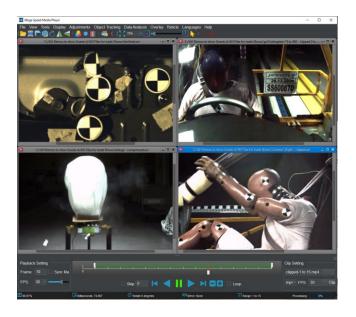
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MS100K-SC











Making Sense Of Your High Speed Image Data. The Included Mega Speed Media Player!

New Tools To Measure, Synchronize, Batch Process, Clip And Compress. The Fastest Video Analysing Work-Flow Available. Helping You Make Sense Of All Your High Speed Image Data. \$1995.00 Value free with every Mega Speed Camera.



MS100K-SC SPECIFICATIONS

Sensor Type	Color or monochrome CMOS sensor		
Image Sizes	User defined in software		
Maximum Resolution	1920 x 1080. 4/3" optical format		
Minimum Resolution	64 x 2		
Maximum Speed	2100 fps at maximum resolution. Higher speed settings at reduced image resolutions		
Pixel Size	10 micron x 10 micron square pixel		
Shutter Speed	Global shutter 2 us to 30 ms in 1 us steps		
Spectral Response	400nm to 1000nm		
ISO	12,500 with boost on (Monochrome)		
A-D Converter	8 bit		
Trigger In Requirement	3 to 24 VDC, active high through BNC jack. Center pin positive or simple switch closure		
Sync Out	TTL 3.3 VDC via BNC jack. Center pin positive active high on exposure		
Trigger Modes	Software, manual, pre/post, segmented, synchronized, single sequence or snap shot		
IRIG B	IRIG B frame embedded time stamp via BNC jack. Accuracy greater than 50 microsecond		
Editing Software	Image analysis, data acquisition, object tracking, AVI editing & image compression		
File Saving	User can save in RAW, AVI, JPEG, BMP, TIF, PNG or MP4 format to PC hard drive		
Control Software	Mega Speed Camera Control software		
Video Pre-view	Live 30 fps preview to host PC during set up and capture via Gigabit Ethernet		
Camera Memory	16 GB DDR standard RAM or optional 32 GB DDR RAM		
Data Download	Real time digital image review and analysis while downloading from camera memory to control PC		
Playback Rate	User selectable in PC software from 1 to 500 fps for fast video review		
PC Requirements	RJ 45 Gig E connection, Window 10, 64 bit, 2GHz, 16 GB RAM, 500 Gig HD		
Networking	All switches and hubs must be Gigabit Ethernet capable		
Camera Cable	Requires Cat 6 Ethernet cable for PC connection and control		
Lens Mount	Standard "C" mount. "F" and "G" mounts available		
Camera Size	4.5" x 4" x 4"		
Camera Weight	900g		
Camera Body	Machined anodized aluminum		
Power Requirements	120 or 240 VAC for camera power supply or 1.7 amps @ 11 - 13 VDC for direct connection		
Shock Rating	100g for 10 milli-seconds 10 times all (6) axis. Operational vibration meets 0.25g, from 5-500Hz		
Temperature	Operating temperature is -40° C to 40°C		

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