

Mega Speed MS100K

High Speed Camera

2000 fps @ 2 Mega Pixel Resolution

Sensitivity ISO 10,000 monochrome, 5000 colour



Frame Rate Summary for 16GB. Double for 32GB

2150 fps @ 1920x1080 – 3.8 sec record buffer

2270 fps @ 1280x1024 – 5.7 sec record buffer

3200 fps @ 1280x720 – 6 sec record buffer

3600 fps @ 800x600 – 9 sec record buffer

4800 fps @ 640x480 – 11.6 sec record buffer

9450 fps @ 320x240 – 23 sec record buffer

17,200 fps @ 128x128 – 60 sec record buffer

Up to 96,000 fps at reduced resolutions

Note: Maximum speed is affected only by image height. 1920x128 can also be captured at 17,200 fps.

Specifications

Sensor Type:	CMOS B/W or Colour (Must be one or the other)
Pixel Size:	11µm x 11µm – 4/3 inch sensor format
Sensitivity:	Monochrome ISO 10,000, Colour ISO 5,000
Shutter Speed:	Global Electronic Shutter 2 µs to 1 second in 1 µs steps
Maximum Resolution:	1920 x 1080
Internal Memory:	16GB RAM
Spectral Response:	400nm to 1000nm (monochrome)
Bit Depth:	10 bits
Lens Mount:	C-mount or F-mount for type D or G lenses
Camera Size:	100x100x150mm Weight: 900 grams
Power requirements:	3 amps at 11.2–13 volt DC

Optional SATA Internal Solid State Back-Up Drive

IRIG B ready, accuracy greater than 0.1 milliseconds

Sync in/out and TTL trigger available at back of camera

Pre/Post Trigger Modes

Shock Rating: 100g for 10 milliseconds (Optional)

File Saving: User can save in RAW, AVI, JPEG, BMP or MP4

Playback speeds: User selectable from 1 to 1000 fps for fast video review

PC requirements: Windows XP, 7, 8 or 10, 2GHz, 8GB RAM, 1TB HDD

Gigabit Ethernet: RJ45 input for supplied Cat 6 cable

Camera Software: Provides Camera control, Image analysis, Data acquisition, Object tracking, AVI editing, Note tagging and MP4 compression

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