



M3 records continuously at an impressive 520 fps with a full resolution of 1280 x 1024 directly to hard drive. Examples of useful applications of the M3 system include automated industrial uses, such as assembly line malfunction prevention and detection, and scientific uses including sustained observation of microscopic or quick-moving subjects.

KEY FEATURES

Maximum Resolution	1280 x 1024
Maximum FPS @ Maximum Resolution	520 fps
Maximum FPS @ Maximum Resolution (Plus Mode)	1,040 fps
Image Storage @ Max Frame Rate (DDR 3)	Infinite to Hard Disk
Image Storage @ Max Frame Rate (DDR 5)	Infinite to Hard Disk
Maximum FPS	58000 @ 1280 x 8
Minimum Exposure Time	1µs
Sensitivity ASA/ISO	3000 ISO Mono 1000 ISO Color
Power Requirements	minimum 12V , 2 A
Operating Temperature	-40+50 °C / -40+122 °F

SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	15.4 x 12.3 mm
Sensor Format	1 inch
Pixel Size (micron)	12x12 µm
Pixel Depth	10 bit mono 30 bit color

INPUTS

Trigger	TTL & Switch/Circular buffer with on-camera or software trigger
Sync	Phase-lock TTL

OUTPUTS

Sync	Frame sync / Strobe
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FEATURES

Approx. Size	55 x 55 x 68 mm (W x H x L)
Approx. Weight	0.32 kg or 0.71 lbs
Shock/Vibration Rating	Shock: 100G / Vibration: 40G - All axes
Mount	C-Mount standard

SOFTWARE

Motion Studio	Windows 32/64
Plug-ins/SDK	SDK, LabVIEW™ or MatLab®
File Formats	Proprietary RAW
On-the-fly Conversion	TIF, BMP, JPG, PNG, AVI, MPG, TP2, MOV, MRF, MCF

COMMUNICATION

Camera Link	Full
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