



## Model: 4-S1

### KEY FEATURES

Max FPS @ Max Res	3000 fps @ 1024 x 1024
Plus Mode	6000 fps @ 1024 x 1024
Max Frame Rate	72,000 fps @ 1024 x 16
Minimum Exposure Time	1µs
Sensitivity ASA	6000 ISO Mono 2000 ISO Color
Power Requirements	minimum 12V , 6.5 A
Operating Temperature	-40°C — +50 °C / -40°F — +122 °F
Memory Options	Internal RAM 8GB / 16GB / 32GB / 64GB
Quantum Efficiency	60%

### SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	13.9 x 13.9 mm
Sensor Format	1 inch
Image Size	1.0 megapixel
Pixel Size (micron)	13.68x13.68 µm
Pixel Depth	10 bit mono 30 bit color

### INPUTS

Trigger	TTL & Switch/Circular buffer with on-camera, remote, or software trigger
Sync	Phase-lock TTL
IRIG	Optional
GPS Time Code	Optional
YiFi	Optional

### OUTPUTS

Sync	Frame sync / Strobe
HDMI	30 fps
Comp Video	N/A



### FEATURES

Approx. Size	90.5x90.5x220 mm or 3.5x3.5x8.6 inch
Approx. Weight	3.4 kg or 7.5 lbs
Shock/Vibration rating	Shock: 100G / Vibration: 40G - All axes
Battery Powered Operation Time	Operation with optional battery back-up up to 1 hour
Mount	C-Mount standard , F&PL Adaptor optional

### SOFTWARE

Motion Studio	Windows 32/64 Mac to be released
Motion Inspector	Windows 32 MAC OS X
Plug-ins/SDK	SDK, LabVIEW™ or MatLab
File Formats	Proprietary RAW (MRF,MCF)
On-the-fly Conversion	TIF,BMP,JPG,PNG,AVI,MPG,TP2,QT H.264

### COMMUNICATION

Camera Link	N/A
Ethernet	100/1000BaseT
USB 2.0	Standard
WiFi	Optional

Specifications are subject to change without notification.

Data accurate as of 07 August 2013

Please reference our website for updates: <http://www.idtvision.com>