

## Model: 7-S1

### KEY FEATURES

Maximum Resolution	1920 x 1080
Maximum FPS @ Maximum Resolution	5,300 fps
Maximum FPS @ Maximum Resolution (Plus Mode)	N/A
Image Storage @ Max Frame Rate	Up to 90,041 Frames
Maximum FPS	57,500 @ 112 x 64
Minimum Exposure Time	1 $\mu$ s
Sensitivity ASA/ISO	6000 ISO Mono 2000 ISO Color
Power Requirements	minimum 12V , 2 A
Operating Temperature	-40+50 °C / -40+122 °F
Quantum Efficiency	60%

### SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	13.9 x 7.8 mm
Sensor Format	1 inch
Pixel Size (micron)	7.24x7.24 $\mu$ m
Pixel Depth	10 bit mono 30 bit color

### INPUTS

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

### OUTPUTS

Sync	Frame sync / Strobe
HDMI	30 fps



### FEATURES

Approx. Size	90.50x90.50x22.00 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 and battery back-up up to 1 hours
Mount	C-Mount standard , F&PL Adaptor optional

### SOFTWARE

Motion Studio	Windows 32/64
Motion Inspector	Windows 32/64 - MAC OS X - Apple iOS
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	N/A
Ethernet	100/1000BaseT
USB	Standard
WiFi	Optional

Specifications are subject to change without notification.

Data accurate as of 11 April 2014

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