



Model: 7-S1

KEY FEATURES

Max FPS @ Max Res	5000 fps @ 1920 x 1080
Plus Mode	N/A
Max Frame Rate	32,000 fps @ 1280 x 16
Minimum Exposure Time	1 μ s
Sensitivity ASA	6000 ISO Mono 2000 ISO Color
Power Requirements	minimum 12V , 2 A
Operating Temperature	-40+50 °C / -40+122 °F
Memory Options	Internal RAM 8GB / 16GB / 32GB / 64GB
Quantum Efficiency	50%

SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	13.9 x 13.9 mm
Sensor Format	1 inch
Image Size	2.0 megapixels
Pixel Size (micron)	7.24x7.24 μ 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	Optional
YiFi	Optional

OUTPUTS

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



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 - MAC OS X
Motion Inspector	
Plug-ins/SDK	SDK, LabVIEW™ or MatLab
File Formats	Proprietary RAW (MRF,MCF)
On-the-fly Conversion	TIF,BMP,JPG,PNG,AVI,MPG,TP2,MOV

COMMUNICATION

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

Specifications are subject to change without notification.

Data accurate as of 07 August 2013

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