



# NX-Air

## Model: 7-S1

### KEY FEATURES

Max FPS @ Max Res	3000 fps @ 1920 x 1080
Plus Mode	N/A
Max Frame Rate	47,000 @ 112 x 64
Minimum Exposure Time	1 $\mu$ s
Sensitivity ASA	6000 ISO Mono 2000 ISO Color
Power Requirements	18-48VDC
Operating Temperature	-40+50 °C / -40+122 °F
Memory Options	Internal RAM 1.25 GB / 3GB / 4GB / 5GB
Quantum Efficiency	50%

### SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	13.9 x 7.8 mm
Sensor Format	1 inch
Image Size	2.0 megapixel
Pixel Size (micron)	7.24 x 7.24 $\mu$ 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
WiFi	N/A

### OUTPUTS

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



### FEATURES

Approx. Size	69 x 64 x 64 mm or 2.7 x 2.5 x 2.5 in
Approx. Weight	0.6 kg or 1.5 lbs
Shock/Vibration rating	Shock: 200G / Vibration: 40G - All axes
Battery Powered Operation Time	Operation and backup up to 2 hours
Mount	C-Mount standard , F&PL Adaptor optional

### SOFTWARE

Motion Studio	Windows 32/64
Motion Inspector	Windows 32/64, Mac OS, iOS
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	N/A
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>