



NX

Model: 4-S1

KEY FEATURES

Max FPS @ Max Res	1000 fps @ 1024 x 1024
Plus Mode	2000 fps @ 1024 x 1024
Max Record Time @ MAX fps @ Max Resolution	3.86 sec
Max Frame Rate	35,000 @ 1024 x 16
Minimum Exposure Time	1µs
Sensitivity ASA	6000 ISO Mono 2000 ISO Color
Power Requirements	14-48VDC
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 13.9 mm
Sensor Format	1 inch
Image Size	1.0 megapixel
Pixel Size (micron)	13.68 x 13.68 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
IRIG	N/A
GPS Time Code	N/A
WiFi	N/A

OUTPUTS

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

FEATURES

Approx. Size	68.63x63.50x63.50 mm or 2.7x2.5x2.5 inch
Approx. Weight	0.44 kg or 15.5 oz
Shock/Vibration rating	Shock: 200G / Vibration: 40G - All axes
Battery Back-up	N/A
Mount	C-Mount standard , F&PL Adaptor optional

SOFTWARE

Motion Studio	Windows 32/64
Motion Inspector	Windows 32/64, Mac OS
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

Specifications are subject to change without notification.
Data accurate as of 27 April 2012