NX8-S1 SPECIFICATION SHEET

With a maximum resolution of 1600 x 1200, the NX8 can record up to 2,000 fps. Combine this with its extremely compact size and High G resistence to shock, it is well-suited for on-board crash testing, where space is at a premium.

KEY FEATURES

Maximum Resolution	1600 x 1200
Maximum FPS @ Maximum Resolution	2,000 fps
Image Storage @ Max Frame Rate (DDR 3)	3,055
Image Storage @ Max Frame Rate (DDR 5)	5,174
Maximum FPS	49,600 @ 1600 x 16
Minimum Exposure Time	1µs
Sensitivity ASA/ISO	6000 ISO Mono 2000 ISO Color
Power Requirements	14-36VDC
Operating Temperature	-40+50 °C / -40+122 °F

SENSOR

Sensor Type	CMOS – Proprietary
Sensor Size	13.9 x 10.4 mm
Sensor Format	1 inch
Pixel Size (micron)	8.68×8.68 um
Pixel Depth	10 bit mono 30 bit color

INPUTS

Trigger	TTL & Switch/Circular buffer with on-camera or software trigger
Sync	Phase-lock TTL

OUTPUTS

Sync	Frame sync / Strobe

FEATURES

Approx. Size	63 x 63 x 68 mm (W x H x L)
Approx. Weight	0.50 kg or 1.10 lbs
Shock/Vibration Rating	Shock: 200G / Vibration: 40G – All axes
Mount	C-Mount standard , F 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

Ethernet	100/1000BaseT