



With a maximum resolution of 1280 x 1024 pixels, the NXA3-S4 can record up to 3,800 fps. With 6000 ISO Mono 2000 ISO Color sensitivity, 30-bit pixel depth (color), High G resistance to shock, and internal battery, they are well suited for on-board crash testing, where space is at a premium.

## KEY FEATURES

Maximum Resolution	1280 x 1024
Maximum FPS @ Maximum Resolution	3,800 fps
Image Storage @ Max Frame Rate (DDR 3)	2,873
Image Storage @ Max Frame Rate (DDR 5)	4,866
Maximum FPS	90,000 fps @ 1280 x 16
Minimum Exposure Time	1µs
Sensitivity ASA/ISO	6000 ISO Mono 2000 ISO Color
Power Requirements	minimum 18V , 2 A
Operating Temperature	-40+50 °C / -40+122 °F

## SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	13.9 x 11.2 mm
Sensor Format	1 inch
Pixel Size (micron)	10.85x10.85 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
IRIG	Optional (In place of GPS)
GPS Time Code	Standard

## OUTPUTS

Sync	Frame sync / Strobe
------	---------------------

## FEATURES

Approx. Size	63 x 76 x 97 mm (W x H x L)
Approx. Weight	0.78 kg or 1.72 lbs
Shock/Vibration Rating	Shock: 200G / Vibration: 40G - All axes
Battery Powered Operation Time	Operation and battery back-up up to 2 hours
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
WiFi	Optional