



With a maximum resolution of 1600 x 1200 pixels the NXA8-S2 records up to 4,000 fps. With 6000 ISO Mono 2000 ISO Color sensitivity, 30-bit pixel depth (color), High G resistance to shock, and battery backup, they are well suited for on-board crash testing, where space is at a premium.

KEY FEATURES

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|--|------------------------------|
| Maximum Resolution | 1600 x 1200 |
| Maximum FPS @ Maximum Resolution | 4,000 fps |
| Image Storage @ Max Frame Rate (DDR 3) | 3,055 |
| Image Storage @ Max Frame Rate (DDR 5) | 5,174 |
| Maximum FPS | 90,000 @ 1600 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

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|---------------------|--------------------------|
| Sensor Type | CMOS - Proprietary |
| Sensor Size | 13.9 x 10.4 mm |
| Sensor Format | 1 inch |
| Pixel Size (micron) | 8.68x8.68 um |
| Pixel Depth | 10 bit mono 30 bit color |

INPUTS

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|---------------|---|
| 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

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

FEATURES

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|--------------------------------|---|
| 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

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|-----------------------|--|
| 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

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|----------|---------------|
| Ethernet | 100/1000BaseT |
| WiFi | Optional |