



With a maximum resolution of 1600 x 1200, the NX8-S2 can record up to 4,000 fps. Combine this with its extremely compact size and High G resistance to shock, it is 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 | 14-36VDC |
| 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 µm |
| 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 |

OUTPUTS

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

FEATURES

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

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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 |
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