



With 6000 ISO Mono 2000 ISO Color sensitivity, 30-bit pixel depth (color), and High G resistance to shock, the NX-Series is well suited for on-board crash testing, where space is at a premium.

## KEY FEATURES

|  |                              |
|--|------------------------------|
| Maximum Resolution                     | 1280 x 1024                  |
| Maximum FPS @ Maximum Resolution       | 2,550 fps                    |
| Image Storage @ Max Frame Rate (DDR 3) | 2,873                        |
| Image Storage @ Max Frame Rate (DDR 5) | 4,866                        |
| Maximum FPS                            | 62,000 fps @ 1280 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 11.2 mm           |
| Sensor Format       | 1 inch                   |
| Pixel Size (micron) | 10.85x10.85 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  |

## 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 |
|----------|---------------|



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## KEY FEATURES

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