



# NX

## Model: 4-S3

### KEY FEATURES

|                       |  |
|-----------------------|--|
| Max FPS @ Max Res     | 3000 fps @ 1024 x 1024                 |
| Plus Mode             | 6000 fps @ 1024 x 1024                 |
| Max Frame Rate        | 100,000 @ 1024 x 16                    |
| Minimum Exposure Time | 1 $\mu$ s                              |
| Sensitivity ASA       | 6000 ISO Mono 2000 ISO Color           |
| Power Requirements    | 18-36VDC                               |
| Operating Temperature | -40+50 °C / -40+122 °F                 |
| Memory Options        | Internal RAM 1.25 GB / 3GB / 4GB / 5GB |
| Quantum Efficiency    | 50%                                    |

### SENSOR

|                     |                          |
|---------------------|--------------------------|
| Sensor Type         | CMOS - Proprietary       |
| Sensor Size         | 13.9 x 13.9 mm           |
| Sensor Format       | 1 inch                   |
| Image Size          | 1.0 megapixel            |
| Pixel Size (micron) | 13.68 x 13.68 $\mu$ m    |
| 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          | N/A   |
| GPS Time Code | N/A   |
| YiFi          | N/A   |

### OUTPUTS

|            |                     |
|------------|---------------------|
| Sync       | Frame sync / Strobe |
| HDMI       | N/A                 |
| Comp Video | N/A                 |



### FEATURES

|                                |  |
|--------------------------------|--|
| Approx. Size                   | 69 x 64 x 64 mm or 2.7 x 2.5 x 2.5 in    |
| Approx. Weight                 | 0.2 kg or 0.5 lbs                        |
| Shock/Vibration rating         | Shock: 200G / Vibration: 40G - All axes  |
| Battery Powered Operation Time | N/A                                      |
| Mount                          | C-Mount standard , F&PL Adaptor optional |

### SOFTWARE

|                       |                                 |
|-----------------------|---------------------------------|
| Motion Studio         | Windows 32/64                   |
| Motion Inspector      | Windows 32/64, Mac OS, iOS      |
| Plug-ins/SDK          | SDK, LabVIEW™ or MatLab         |
| File Formats          | Proprietary RAW (MRF,MCF)       |
| On-the-fly Conversion | TIF,BMP,JPG,PNG,AVI,MPG,TP2,MOV |

### COMMUNICATION

|             |               |
|-------------|---------------|
| Camera Link | N/A           |
| Ethernet    | 100/1000BaseT |
| USB 2.0     | N/A           |
| WiFi        | N/A           |

Specifications are subject to change without notification.

Data accurate as of 07 August 2013

Please reference our website for updates: <http://www.idtvision.com>