



Three speed grades allow customized camera performance. Crash-testing, especially in vehicle, is the quintessential NX4 application. The cameras' compact design allows for use in tight environments or when attached to a borescope.

KEY FEATURES

Maximum Resolution	1024 x 1024
Maximum FPS @ Maximum Resolution	1,000 fps
Maximum FPS @ Maximum Resolution (Plus Mode)	2,000 fps
Image Storage @ Max Frame Rate (DDR 3)	2,288
Image Storage @ Max Frame Rate (DDR 5)	3,877
Maximum FPS	50,000 @ 1024 x 8
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 13.9 mm
Sensor Format	1 inch
Pixel Size (micron)	13.68x13.68 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
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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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Maximum Resolution	1024 x 1024
Maximum FPS @ Maximum Resolution	2,000 fps
Maximum FPS @ Maximum Resolution (Plus Mode)	4,000 fps
Image Storage @ Max Frame Rate (DDR 3)	2,288
Image Storage @ Max Frame Rate (DDR 5)	3,877
Maximum FPS	94,000 @ 1024 x 8
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

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Maximum FPS @ Maximum Resolution	3,000 fps
Maximum FPS @ Maximum Resolution (Plus Mode)	6,000 fps
Image Storage @ Max Frame Rate (DDR 3)	2,288
Image Storage @ Max Frame Rate (DDR 5)	3,877
Maximum FPS	200,000 @ 1024 x 8
Minimum Exposure Time	1µs
Sensitivity ASA/ISO	6000 ISO Mono 2000 ISO Color
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