



Optimally designed for resolution, the 7 micron array of 2336 x 1728 pixels, powers the 730 fps. This sensor array benefits from improved quantum efficiency from its predecessor to reduce noise without sacrificing light sensitivity or bit depth. This makes the camera well-suited for situations requiring light weight and superb resolving power, such as component testing and microscope imaging. Special opportunities for the NX5 exist in broadcast and cinema, when the small size combined with the 4.0 megapixel resolution provides high definition imaging formats. Two cameras can be used as a compact stereoscopic assembly for 3D applications.

KEY FEATURES

Maximum Resolution	2336 x 1728
Maximum FPS @ Maximum Resolution	730 fps
Maximum FPS @ Maximum Resolution (Plus Mode)	1,455 fps
Image Storage @ Max Frame Rate (DDR 3)	Up to 572 Frames
Image Storage @ Max Frame Rate (DDR 5)	Up to 992 Frames
Maximum FPS	110,000 fps @ 2336 x 8
Minimum Exposure Time	1µs
Sensitivity ASA/ISO	3000 ISO Mono 1000 ISO Color
Power Requirements	14-36VDC
Operating Temperature	-40+50 °C / -40+122 °F

SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	16.4 x 12.1 mm
Sensor Format	1 inch
Pixel Size (micron)	7.00x7.00 um
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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