



The iN8 is a small size, shock and vibration proof, lightweight camera system. The iN8 configuration produces stunning 1600 x 1200 pixel images. It is offered in two speed grades: S1 and S2 to deliver up to 500 fps and 1,000 fps in full resolution respectively. The camera also features advanced thermal management that does not require the use of fans, and benefits from a sealed (IP68) mechanical package allowing under water operation down to a depth of 1 meter.

## KEY FEATURES

Maximum Resolution	1600 x 1200
Maximum FPS @ Maximum Resolution	1,000 fps
Image Storage @ Max Frame Rate (DDR 5)	5,174
Maximum FPS	32,000 @ 1600 x 16
Minimum Exposure Time	1µs
Sensitivity ASA/ISO	6000 ISO Mono 2000 ISO Color
Power Requirements	minimum 18V, 2A (48V with LEDs)
Operating Temperature	-40+40 °C / -40+104 °F

## SENSOR

Sensor Type	CMOS - Proprietary
Sensor Size	13.9 x 10.4 mm
Sensor Format	1 inch
Pixel Size (micron)	8.68x8.68 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	64 x 63 x 74 mm (W x H x L)
Approx. Weight	0.49 kg or 1.09 lbs
Shock/Vibration Rating	Shock: 100G/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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