



Absolutely Miniature. Relative Giant.



MotionXtra: N-Series

## MotionXtra: N-Series



Key features:

**Configurable RAM**

**Gigabit Ethernet**

**iPod and PDA compatibility**

**Autonomous use up to 60 minutes  
with the optional battery**

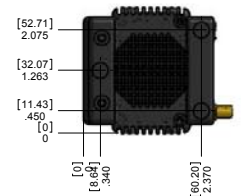
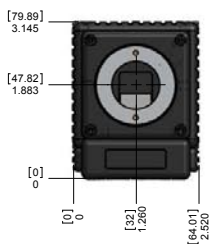
**100 nanosecond inter-frame time  
in double exposure mode**

The N-Series design provides a unique solution for applications where space is a premium, including: microscopy, on-board automotive, airborne and underwater testing.

Unlike other "small" systems the N-Series is fully autonomous and thus does not require to be plugged in to a console. The camera shares the same sensors and has the same functionality as other comparatively larger devices. Thanks to a proprietary image compression algorithm the frame capacity is comparable to those of more traditional cameras.



	N-3	N-4	N-5
Maximum fps @ Full Resolution	1000 fps @ 1280 x 1024	4000 fps @ 1024 x 1024	500 fps @ 2352 x 1728
Array Size	1.3 megapixels	1.0 megapixels	4 megapixels
Max fps @ Reduced Resolution	65,000 fps @ 1280 x 16	256,000 fps @ 1280 x 16	39,000 fps @ 2352 x 16
Sensitivity	3000 ASA Mono 1000 ASA Color	10,000 ASA Mono 5000 ASA Color	1000 ASA Mono 350 ASA Color
Pixel Size	12x12 $\mu\text{m}$	14x14 $\mu\text{m}$	7x7 $\mu\text{m}$
Color Mono	Available Available	Available Available	Available Available
Memory Options	Internal and Configurable. Up to 1,600 frame storage	Internal and Configurable. Up to 2,000 frame storage	Internal and Configurable. Up to 500 frame storage
Trigger	TTL & Switch	TTL & Switch	TTL & Switch
Sync (Input)	Phase-lock TTL	Phase-lock TTL	Phase-lock TTL
IRIG	N/A	N/A	N/A
GPS Time Code	N/A	N/A	N/A
Sync (Output)	Frame sync / Strobe	Frame sync / Strobe	Frame sync / Strobe
HDMI	N/A	N/A	N/A
Comp Video	N/A	N/A	N/A
Camera Link	N/A	N/A	N/A
Ethernet	100/1000BaseT	100/1000BaseT	100/1000BaseT
USB 2.0	N/A	N/A	N/A
Shock/Vibration rating	100G All axes	100G All axes	100G All axes
Battery Back-up	Up to 2 hours	Up to 2 hours	Up to 2 hours
MotionPro X	Mac or Windows	Mac or Windows	Mac or Windows
Motion Central	N/A	N/A	N/A
Plug-ins/MotionPro X	LabVIEW or MatLab	LabVIEW or MatLab	LabVIEW or MatLab
File Formats - MotionPro X	TIF BMP AVI MRF MCF	TIF BMP AVI MRF MCF	TIF BMP AVI MRF MCF
File Formats - Motion Central	Type-2 Bayer, TIFF, JPEG	Type-2 Bayer, TIFF, JPEG	Type-2 Bayer, TIFF, JPEG
H x W x L	60x60x75 mm	60x60x75 mm	60x60x75 mm
Weight	0.48 kg	0.48 kg	0.48 kg



all dimensions shown in mm

**NORTH AMERICA**

1202 E Park Ave  
Tallahassee, FL 32301  
United States  
P: (+001) 850-222-5939  
F: (+001) 850-222-4591

1 West Mountain Street,  
Suite 3  
Pasadena, CA 91103-3070  
United States  
P: (+001) 626-794-4649  
F: (+001) 626-794-4651

**EUROPE**

Via Pennella, 94  
I-38057  
Pergine Valsugana (TN)  
Italy  
P: (+39) 0461-532112  
F: (+39) 0461-532104

Eekhoornstraat, 22  
B-3920 - Lommel  
Belgium  
P: (+32) 11 551065  
F: (+32) 11 554766

**ASIA**

Unit 6, 9F, 77, Hun Hua S.  
Road  
Section 2, Taipei, Taiwan  
P: (+02) 2706-2110  
F: (+02) 2706-3837

No.388, Caonong Road,  
Songjiang Industry Zone,  
Shanghai, China  
Zip Code: 201612  
P: (+86) 21-57687667  
F: (+86) 21-57686418

6F Sakurai Bidg.  
2-8-19 Fukagawa, Koto-  
ku, Tokyo  
135-0033, Japan  
P: (+81) 3-5639-2773  
F: (+81) 3-5639-2808  
[www.idt-japan.co.jp](http://www.idt-japan.co.jp)

Distributed by **DEL Imaging Systems**  
1781 Highland Avenue, Cheshire, CT 06410  
Phone: (203) 250-1545 [www.delimaging.com](http://www.delimaging.com)

