



the most experienced
name in high speed
cameras

MEMRECAM HX-7

High Speed Camera System

The MEMRECAM HX series:
the world's most versatile family of high speed
camera systems!

FEATURES

CMOS Sensor: 2560 X 1920—
all Active Pixels

Bit Depth: 12/10/8-bit
(customer selectable)

Electronic Shutter:
10msec to 1.1usec

Standalone Operation: Compact,
lightweight camera requires no laptop
or PC for local control.

**Simultaneous Record and
Download:** Simultaneously record
to one memory segment while
downloading data from a second
memory segment.

Fast Data Download: Record to
commercial off-the-shelf non-volatile
HDD media at up to 500MB/sec.

Variable Framing Profile:
Test using a variety of frame
rates, sequentially or in parallel.

Versatile Recording: Burst,
multi-trigger, restart-trigger and
image trigger.

A-EST Mode: High resolution
timing and sync system.

Straddle Mode: Inter-frame time
for PIV applications equals 286
nanoseconds.

Dual Segment Recording:
Simultaneously record to two
distinct memory segments at two
different imaging speeds.

Ultra-High Light Sensitivity

Ruggedized for Range Use



nac's compact, lightweight MEMRECAM HX-7 offers an astounding 5 Mega Pixel resolution at up to 800 fps, Full HD resolution at upto 2,000 fps, 1 Mega Pixel resolution at up to 3,600 fps, and so much more! The HX-7 gives the user the best possible solutions: the highest resolutions available; the highest light sensitivity available; true mobility and stand-alone performance; and ultra fast imaging.

The HX-7 is literally two cameras in one!

When it comes to reliable, high-quality, high-speed camera systems,
make the safe choice with nac and you'll *see the visible difference!*

Providing quality and
reliability since 1958



Presented by: Absolute Gauge Technologies
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MEMRECAM HX-7 High Resolution Mode		
Max Res (pixels)	2560 X 1920	
Optical Format	35.20 mm	
fps @ Max Res	800	
	Mono	Color
ISO Rating	10,000	2,000

MEMRECAM HX-7 High Speed Mode		
Max Res (pixels)	1280 X 960	
Optical Format	35.20 mm	
fps @ Max Res	3,364	
	Mono	Color
ISO Rating	40,000	8,000

Memory Option	16GB, 32GB	
Maximum fps	200,000	

Imaging Formats	Max Res @ Format
High Def: 16 X 9	
1920 X 1080	2,000
1280 X 720	4,000
Other Formats	
4 Mega Pixel	1,000
3 Mega Pixel	1,400
2 Mega Pixel	2,000
1 Mega Pixel	3,800
XGA (1024 X 768)	5,000
768 X 624	8,000
640 X 592	10,000
VGA (640 X 480)	12,000
576 X 432	15,000
448 X 312	25,000
320 X 192	50,000
320 X 88	100,000
320 X 48	150,000
320 X 32	200,000

* Note: Recording Time Depends on Memory Configuration, Resolution, Frame Rate and Image Bit Depth.

nac Image Technology

Memrecam High Speed Camera Systems also Feature:

- Auto Exposure Control
- Adjustable Frame Rates
- Automatic Temperature Calibration
- Continuously Adjustable Resolution
- Ultra-Fast Gig-E Interface with DataLock
- Ultra Fast Download to USB 3.0 and CFast
- Continuous Live Video Output
- Remote & Local Control—(no PC required)
- Memory Backup
- DRES—Dynamic Range Expansion Shutter
- Multiple Trigger Modes
- Memory Segmentation
- External Sync Recording
- IRIG-B Capture & Sync with Phase Shift
- Compact, Rugged Design - 2.9kg
100W x 100H x 205D (mm)

Visit our website at
www.nacinc.com

Please Note: Specifications described above are preliminary and subject to change.

06.03.15



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