nac IMAGE TECHNOLOGY

the most experienced name in high speed cameras

MEMRECAM HX-7s
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-7s offers an astounding 5 Mega Pixel resolution at up to 850 fps, Full HD resolution at up to 2,000 fps, 1 Mega Pixel resolution at up to 3,600 fps, and so much more! The HX-7s 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-7s 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

MEMRECAM HX-7s

High Speed Camera System

MEMRECAM HX-7s Specifications		
Max Res (pixels)	2560 X 1920	
Optical Format	35.20 mm	
fps @ Max Res	850	
	Mono	**Color**
ISO Rating IQ-mode	10,000	2,000
ISO Rating S-mode	80,000	16,000

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

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

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

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.

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