

MEMRECAM GX-1

High Speed Camera System

The Memrecam GX series:
The workhorse family of ruggedized 1.3
Mega Pixel high speed camera systems.

Memrecam GX-1 FEATURES

CMOS Sensor: 1280 X 1024 —
all Active Pixels

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

Electronic Shutter:
OPEN to 1μsec

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

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

Multi-Camera Download: Down-
load images from up to seven
cameras simultaneously in
same time it takes to download
a single camera.

Hi-G Operation: Specifically
designed to function effectively
in Hi-G environments (to 100G
shock).

Ultra-High Light Sensitivity

Ruggedized for Range Use:
Sealed camera core, uses no fans.



NAC's Memrecam GX-1 boasts a 1.3 Mega Pixel sensor and the most light sensitive images in its class. The Memrecam GX-1 supports wide screen viewing of critical high-speed imaging events, keeping the subject in frame longer. The Memerecam GX-1 records brilliant color images or crisp monochrome images at full 1.3 Mega Pixel resolution at more than to 2,000 fps, 1 Mega Pixel resolution at more than 2,550 fps and 720p HD resolution at more than 2,780 fps.

The rugged Hi-G GX-1 is perfect for a variety of applications, including: Automotive Crash, Ballistics, Combustion, Materials Research, Machine Design, Microscopy, PIV, Flow Visualization, Spray Analysis, and many more...

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



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Memrecam GX-1 Full Screen Mode		
Max Res (pixels)	1280 X 1024	
Optical Format	35.57 mm	
fps @ Max Res	2,078	
Gpix/ sec @ Max Res	2.72	
	Mono	Color
ISO Rating	20,000	5,000
Memory Options	2GB, 4GB, 8GB	
Max fps	245,098	

Imaging Formats	Max fps @ Full Res.
1 Mega Pixel	2,559
1280 X 720	2,789
XGA (1024 X 768)	3,293
768 X 768	4,359
768 X 576	5,477
VGA (640 X 480)	7,485
512 X 512	8,831
512 X 384	10,837
QVGA (320 X 240)	22,371
256 X 192	30,600
128 X 96	69,444
64 X 64	117,371
64 X 32	128,866

* Note: Recording Time Depends on Memory Configuration, Resolution, Frame Rate and Image Bit Depth.
 Recording Time (seconds) = [(Memory Configuration X 1024 X 1,000,000) / (Resolution/Frame)] / (Frames/Second)
 Resolution/Frame (Bytes) = (Horizontal pixels X Vertical Pixels X Bit Depth/8)

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
- Fast Download to USB 2.0 HDD
- 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 - 4kg
100W x 100H x 230D(mm)



Visit our website at
www.nacinc.com

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



Contact Us in the Americas:

NAC Image Technology
 193 Jefferson Ave, Suite 102
 Salem, MA 01970 U.S.A.
 Tel: (833) 600-0280
 E-mail: sales@nacinc.com

Contact Us in Europe:

MESSRING GmbH
 Friedrichshafener Straße 4c
 82205 Gilching, Germany
 Tel: +49 8153 407 96 333
 E-mail: sales@messring.de

Contact Us in Asia:

NAC Image Technology Inc.
 2-11-3 Kita-Aoyama, Minato-ku
 Tokyo 107-0061 Japan
 Tel: +81 3 3796 7903
 Email: nacinternational@camnac.co.jp