

# MEMRECAM GX-3

## High Speed Camera System

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

### Memrecam GX-3 FEATURES

CMOS Sensor: 1280 X 1024 —  
all Active Pixels

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

Electronic Shutter:  
OPEN to 1 $\mu$ sec

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

Ultra-High Light Sensitivity

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



NAC's Memrecam GX-3 boasts a 1.3 Mega Pixel sensor and the most light sensitive images in its class. The Memrecam GX-3 supports wide screen viewing of critical high-speed imaging events, keeping the subject in frame longer. The Memrecam GX-3 records brilliant color images or crisp monochrome images at full 1.3 Mega Pixel resolution at more than 1,670 fps, 1 Mega Pixel resolution at more than 2,060 fps and 720p HD resolution up to 2,250 fps.

The robust GX-3 is perfect for a variety of applications, including: Ballistics, Combustion, Materials Research, Machine Design, Microscopy, PIV, Flow Visualization, Spray Analysis, Automotive Testing and many, 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-3 Full Screen Mode		
Max Res (pixels)	1280 X 1024	
Optical Format	35.57 mm	
fps @ Max Res	1,679	
Gpix/ sec @ Max Res	2.20	
	Mono	Color
ISO Rating	20,000	5,000
Memory Options	2GB, 4GB, 8GB	
Max fps	198,000	

Imaging Formats	Max fps @ Full Res.
1 Mega Pixel	2,068
1280 X 720	2,254
XGA (1024 X 768)	2,661
768 X 768	3,522
768 X 576	4,425
VGA (640 X 480)	6,048
512 X 512	7,135
512 X 384	8,756
QVGA (320X 240)	18,076
256 X 192	24,725
128 X 96	56,110
64 X 64	94,835
64 X 32	104,124

\* 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 110H x 260D(mm)



Visit our website at  
[www.nacinc.com](http://www.nacinc.com)

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



#### Contact Us in the Americas:

NAC Image Technology  
 543 Country Club Drive, # B-534  
 Simi Valley, CA 93065  
 Tel: (800) 969-2711  
 E-mail: sales@nacinc.com

#### Contact Us in Europe:

NAC Deutschland GmbH  
 Hedelfingerstr. 54-70  
 70327 Stuttgart, Germany  
 Tel: +49(0)711 2201 885  
 E-mail: rwestphal@nacinc.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