

The most experienced name in...

## High-Speed Camera Systems for Research, Design and Test Applications



Photo courtesy fo Art Beats

### Product Features

- Easy to Use
- High Resolution
- Affordable
- Extra Long Record Times
- Ultra-High Frame Rates
- Ultra-High Light Sensitivity
- Multi-Head Cameras

### Applications We Service

- Product Testing
- Materials Testing
- Combustion
- Flow Visualizations and PI
- Biomechanics
- Vibration
- Crack Propagation
- Fluid Dynamics
- Spray and Spray Analysis



NAC Image Technology offers a wide range of camera models to meet the most demanding and unique imaging needs in a research, design or test environment. From the world's smallest high speed imager to the world's longest record time systems, NAC has the tool to help solve your problem. NAC High Speed Imaging systems have *the most light sensitivity, best image quality, largest memory capacities, smallest camera heads, fastest download times and most inclusive software packages in the industry.* All NAC products go through rigorous environmental testing and certification so you can be confident that your NAC Camera System will be a valuable and reliable tool for years to come. 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

Visit us on the web at [www.nacinc.com](http://www.nacinc.com)

**nac**  
Image Technology

*The visible difference.*

# The NAC Family of Products for Research, Design & Test

Relying on its vast experience in motion picture and television engineering, NAC is continuously developing advanced technologies for image capture, image processing, and image distribution. Our development efforts optimize products for professional users, with a focus on providing the best in image quality and product reliability. High speed camera products manufactured by NAC Image Technology Inc. are employed around the world, providing critical image data for users in the automotive industry, on ballistic test ranges, in the aerospace industry, in manufacturing facilities, and in a wide variety of advanced research, development and test applications.

Typical features you can expect to see in high speed camera products from NAC include:

- **Auto Exposure Control**
- **Adjustable Frame Rates**
- **Automatic Temperature Calibration**
- **Selectable Bit Density**
- **Continuously Adjustable Resolution**
- **Gigabit Ethernet Interface**
- **Continuous Live Video Output**
- **Compact, Rugged Design**
- **Remote & Local Control (no PC required)**
- **Multi-Camera Control**
- **Dynamic Range Expansion Shutter**
- **Multiple Trigger Modes**
- **Memory Segmentation**
- **External Sync Recording**
- **IRIG-B Timing Capture & Sync with Phase Shift**
- **Built-in Memory Backup**



## **Memrecam HX Family**

The most advanced high speed video technology available in the world. The Memrecam HX Family of products can provide up to 5 Mega Pixels of resolution at 2000fps, full 1080p HD resolution at 4000fps, full 720p HD resolution at 10,000fps, with a maximum framing capability in excess of 1 Million fps. The Memrecam HX Family of products can record directly to the optional HD-Mag, capturing full 1080p HD resolution at 500fps for more than 16 minutes.



## **Memrecam GX Family**

The Memrecam GX Family of products provide the best image quality and highest light sensitivity available in the world. The high performance Memrecam GX Family of products was developed to satisfy demanding requirements for a variety of onboard, high impact applications as well as the most demanding laboratory environments. Compact, self-contained cameras with a maximum resolution of 1.3 Million pixels as well as multi-camera head systems provide users with the most flexibility available in creating and managing a multi-camera image acquisition network.



## **HotShot Family**

The HotShot Family of products are easy-to-use, fully integrated, stand-alone instrumentation systems. This product family features high density memory models allowing for long recording times and also includes Windows based motion analysis tools that provide the user with lots of imaging power. The HotShot Family of products is ideal for demanding research and industrial applications where small, compact, affordably priced high speed cameras are the best solution.



Contact Us in the Americas:

**NAC Image Technology**  
15 McCoy Place  
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-Aoama, Minato-ku  
Tokyo 107-0061 Japan  
Tel: +81 3 3796 7903  
Email: nacinternational@camnac.co.jp

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