

The most experienced name in...

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



### 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 and Test

NAC Image Technology offers a wide range of camera models to meet the most demanding and unique needs in a research, design and test environment. ALL NAC products...

- Can be operated as standalone systems (no PC required!)
- Offer real-time NTSC, S-Video and VGA output
- Can be operated as part of a multi-camera environment
- Can be archived and distributed on CD's and DVD's



## HotShot 512 sc

The HotShot 512 sc is NAC's most versatile digital system offering a perfect synthesis of light sensitivity, fast capture rates, and longest digital record times to system RAM. The 512 sc features a 2/3" 512 X 512 Generation 3 CMOS sensor array that allows images to be captured at full resolution at an unbelievable 5,000 fps. The 16-micron pixel size of sensor gives it outstanding light sensitivity (1650 ASA), which until now, could only be achieved by multi sensor cameras. The 512 sc is available with up to 16 Gigabytes of internal memory that provides over 1 minute of record time at 1,000 fps and over 4 minutes at 250 fps.



## HotShot 1280 pci

The HotShot 1280 pci is NAC's affordable PC-based Motion Analysis Camera. Having a resolution of 1280 X 1024 at 500 fps and capture rates up to 20,000 fps at reduced resolution, the HotShot 1280 pci proves to be a very capable tool for a diverse range of applications and repetitive testing environments. The 1280 features a compact remote camera head that fits into confined spaces up to 30 feet away from the PC. As a PCI-based camera system, images can be quickly reviewed or downloaded to a PC's hard drive for later analysis and distribution.



## HotShot cl

NAC's low cost line of Camera-Link based cameras provide system integrators and value added resellers with maximum versatility in a high-speed camera. Available in two models, the HotShot 512 cl (for higher speed, higher sensitivity applications) and the HotShot 1280 cl (for mega pixel resolutions), these component cameras can provide up to 100,000 fps. These easy-to-use, cost-effective cameras are compatible with the industry's leading frame grabbers.



## Memrecam GX-1

The first member of the new GX family, the Memrecam GX-1 is a rugged, ultra light sensitive, mega pixel camera developed specifically for demanding Testing Environments! This Hi-G, high resolution (1280 X 1024 with selectable frame size) camera features live NTSC/PAL video output and provides a bit density of 8bit / 10bit / 12bit as a standard feature. The GX-1 can be synchronized to IRIG-B, an external source or an internal clock.



## Memrecam fx-K3R

The Memrecam fx-K3R provides an unbelievable 1.3 megapixels at 1,000 fps in brilliant color. The fx-K3R features a 1280 X 1024 CMOS sensor that is capable of speeds up to 10,000 fps at reduced resolution. The K3R is available with up to 16GB of internal ram and supports the new HD television aspect ratios.

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