



NAC Memrecam GX-5 Tethered Head Camera System provides multiple configuration options...

The most experienced name in high-speed video introduces the GX-5—the expandable digital high speed camera with the versatility to handle a variety of applications!



NAC's **Memrecam GX-5** is setting new standards for high-speed imaging flexibility and performance in a variety of applications including: Vehicle Impact Testing, Onboard Airbag Deployment Testing, Safety Restraints Testing, Automotive Component Testing, Automotive Research and Design, Ballistics and Research, Design & Test.

The robust GX-5 Data Recording Processor (DRP) is available in either 4-channel or 8-channel versions while the choice of 3 different camera heads provides extreme versatility to handle a variety of requirements.

System Features:

- **Multi-Camera Heads**—NAC provides three (3) separate models providing a solution for specific size, light and resolution requirement.
- **Data Recording Processor (DRP)**—Available in 4-channel and 8-channel versions, the GX-5 DRP includes a memory back-up function and IRIG time stamp recording. The DRP also provides for multi-camera synchronization and allows for both individual and multi-head image display on the LCD viewfinder.
- **Hi-G**—Ruggedized for onboard Hi-G applications, 100G's shock, 11ms.
- **Ultra High Light Sensitivity and High Resolution**—The choice of GX-5 camera heads allows the user to choose a model for specific size, light and resolution requirements!



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Memrecam GX-5 DRP

The Memrecam GX-5 Data Recording Processor (DRP) is available in either a 4-channel or 8-channel version, depending on the application requirements. Different camera heads can be used with a single DRP to achieve specific viewing requirements. The DRP can be located up to 18 meters from the camera heads.

DRP Specifications:

- Hi-G: 100G, 11ms
- Size: **4ch DRP** 270(W) x 146(H) x 150(D)mm
8ch DRP 290(W) x 142(H) x 240(D) mm
- Memory: 2, 4, 8 GB (Memory segmentation is available)
- Bit Density: 8 / 10 Bit
- Functions include:
 - Memory Optimization according to number of cameras
 - Individual image display (live for setup and play back)
 - Individual camera settings (except resolution, frame rate, bit density and trigger)
 - Multi-head live view (for monitoring)



GX-5 Camera Heads

A combination of camera heads can be used for specific application requirements. Synchronized recording among the GX-5 cameras allow for 3D measurement. Overlapping the field of views of the multi-heads provide for an extremely wide viewing area. Choose the camera heads suited for your particular requirements:

HR-Cam

(High resolution camera head) ISO 20,000 (mono)

Resolution (H x V)	Frame Rate (pps)
1280 x 960	100—1,000
1024 x 768	1,500
896 x 672	2,000
640 x 480	4,000
384 x 288	10,000

P-Cam and S-Cam

(Micro Camera Heads) ISO 4,000 (mono)

Resolution (H x V)	Frame Rate (pps)
640 x 480	100 –1,000
512 x 384	1,500
448 x 336	2,000
320 x 240	4,000
192 x 144	10,000

The sensor on the S-Cam is separated from the camera head allowing the camera to reach even the smallest of spaces.

NAC Image Technology is a proud supplier of high-speed camera systems to the world's largest automotive manufacturers and Tier 1 suppliers. Join your colleagues in making the safe choice for reliable, high quality high-speed camera systems. Choose NAC and you'll see *The Visible Difference!*



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Memrecam GX-5 Camera Head Options

P-Cam (25 x 25 x 95mm) - The P-Cam is a small micro head camera designed for poorly illuminated or otherwise inaccessible spaces and is available in five (5) different configurations:

- Straight head, Straight Connector
- Straight Head, Angled Connector
- Angled Head, Straight Connector
- Angled Head, Angled Connector
- Angled Head, Return-angled Connector



SS



SA



AS



AA



AR



S-Cam (25 x 25 x 25mm) - The S-Cam has the sensor separated from the camera head in order to reach even smaller, more confined spaces and is available in either a straight or angled head.

HR-Cam - The HR-Cam is a high resolution ultra light sensitive, tethered head camera (color: ISO 5,000, monochrome: ISO 20,000) capable of recording images at 1280 x 960 at 1,000 fps. The HR-Cam is available in either an F-Mount or an M-Mount.



A **Booster Unit BB1** is an optional accessory item that can extend the distance between the Camera Head and the DRP up to a maximum of 18 meters! (pictured below with P-Cam and cable)



* Extension Cables are available in lengths of 4, 6 and 8 meters.



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