NAC's *HotShot Mega sc*: The Latest "Self-Contained" Digital High-Speed Video System

NAC Image Technology, the most experienced name in high-speed video, presents the HotShot Mega sc: the affordable, mega pixel resolution digital high-speed camera system...

NAC's **HotShot Mega sc** is a low cost, fully self-contained, digital, high-speed video system that records brilliant color, or crisp monochrome images, with resolutions up to 1280 X 1024 pixels and HD resolutions up to 1000 fps. Using an advanced CMOS sensor, the **HotShot Mega sc** captures images at frame rates in excess of 30,000 fps.

The low cost **HotShot Mega sc** can be operated locally without a control PC or can be controlled remotely. Available with onboard memory of up to 16GB, the **HotShot Mega sc** provides ultra-long recording times—more than 10 minutes depending on the customer selected resolution and frame rates! The **HotShot Mega sc** provides the user with an excellent low cost, easy-to-use solution for a variety of applications requiring a combination of mega pixel resolution and ultra long record times.

- ♦ **Laptop Friendly Interface for Control and Acquisition**
- ♦ **Low Cost**
- ♦ **Self-Contained**
- ♦ **720p at 1000fps**
- ♦ **Up to 16 GB Onboard Memory**
- ♦ **Live NTSC / PAL Output**
- ♦ **Optional Multi-Channel Wave Inserter for Data Acquisition**

Model shown above with optional Wave Inserter

Choose NAC to help address your high-speed imaging needs and you'll see *The Visible Difference!*

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HotShot Mega sc Features

- **High Resolution, High-Speed Sensor**: The **HotShot Mega sc** cameras use state-of-the-art CMOS sensors available in monochrome or color.
- **Electronic Shutter**: Full Frame sequential, OPEN to 1/500,000 seconds and customer programmable. Full frame simultaneous (double exposure) - multiple exposures can be obtained in one frame period with sub-micro second intervals.
- **Bit Density**: 10 Bits
- **Standard Lens Mount**: C-Mount
- **Live Image**: A live image is available in NTSC or PAL formats—before, during and after recording.
- **Standalone Operation**: Once set-up, no PC is required.
- **Weight:** 2.9 Kg. (6.3 lbs.)
- **Operation and Control**: All functions from the camera setup to the recording and slow playback can be controlled using a PC-based control system.
- **Trigger Mode**: The **HotShot Mega sc** camera uses a START, CENTER, END or CUSTOM trigger. In the CUSTOM mode, the trigger point can be programmed and positioned by the customer (i.e. 0% to 100%).
- **Synchronous Data Recording:** Scene number, date and time of trigger, shutter speed, video process data, comments. The camera can be synchronized to a variety of external test and measurement devices.
- **Image Playback:** Recorded images can be played back and viewed, immediately after image capture on the PC. The video playback unit allows for "step" fashion image review, allows the user to set the start and end points for image review, allows the user to "jump" to the trigger point, the START point or the END point of the image area. Image playback can be in a single segment or in a loop.
- **Memory Configuration**: 1GB, 2GB, 4GB, 8GB and 16GB
  Memory can be partitioned, each partition can be independently programmed.
- **Recorded File Format:** Images can be saved to a variety of computer recognizable file formats (AVI, TIF, JPG, BMP, etc.)
- **Control and Acquisition**: USB 2.0 Interface
- **Control Software**: Control software is provided with each camera system. Alternatively, the customer can develop his own control software. NAC will provide the customer with a Software Development Kit (based upon an ActiveX component). The SDK will support C++, Visual C++ and Visual Basic.

Optional Accessories and Features:

- **Multi-Channel Wave Inserter (MCWI)**: The optional MCWI operates through a high-speed I/O Port on the camera. This allows for the capture of synchronized digital and/or analog data.
- **Battery System:** DC Power Source for up to two (2) hours.

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