

World's highest resolution video frame rate camera announced by Imaging Solutions Group Developed for the US Navy and NASA under DARPA sponsorship

Fairport, NY (Rochester) – October 7, 2003 – Imaging Solutions Group of New York, Inc. & The US Navy, Naval Sea Systems Command, NUWC Division Newport presents today the design of the ISG QuadHDTV™ camera at the U.S. Display Consortium, **3rd Annual High Information Content Display System Symposium.**

Government Sponsors: Air Force Research Labs (AFRL) Army Research Labs (ARL) National Imaging & Mapping Agency (NIMA) & Office of Naval Research (ONR)

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This camera is the world's highest resolution video frame rate camera utilizing the Silicon Video Inc. QuadHDTV™ Sensor. Working in close cooperation with scientists from the US Navy and NASA Ames Research Center, the Imaging Solutions Group's camera enables high-resolution video studies to advance image systems used for military imaging, surveillance and reconnaissance missions.

The development of this unique camera will enable next generation video systems research for the US Military and Government. The Imaging Solutions Group hopes to work with other companies in furthering the architecture to make the design suitable for digital cinematography and very high quality HDTV Broadcasts. The Fairport, NY based Imaging Solutions Group is one of the fastest growing suppliers in the Imaging industry. The camera uses a leading edge CMOS image sensor from Silicon Video Inc. This sensor has 3840 x 2160 pixels for 8.3Megapixels of data running at 30 frames per second and is four times the resolution of the best HDTV systems in use today. This camera has (4) SMPTE 292 outputs for standard video recording capabilities and (4) DVI outputs for display purposes. IBM has been working with Imaging Solutions Group, US Navy, and NASA Ames Research Center to ensure that the IBM T221 high-resolution display can be driven by the ISG camera. This display has 9.2 million pixels and multiple DVI inputs that can directly connect to the ISG QuadHDTV™ camera for real-time display of video.

“The combination of the QuadHDTV™ Camera and the IBM T221 display provides unprecedented video image analysis performance for military and security applications,” says Kerry Van Iseghem, one of the Founders of the Imaging Solutions Group. “ We are very excited about the prospects for the ISG QuadHDTV™ camera in the future. We have many interested customers inquiring about this camera and future variations of this camera architecture for the digital cinematography and HDTV broadcast markets. The potential for lower cost cameras than today's 3-CCD systems that cost in excess of \$85K with a QuadHDTV™ that may someday sell for half that price attracts a lot of interest.”

About Imaging Solutions Group of New York, Inc.:

Imaging Solutions Group, a privately held NY Company, is the leader in the design and manufacture of high-resolution intelligent machine vision and custom designed cameras. With over 18 years of video design experience, the Imaging Solutions Group product design team has accumulated an impressive array of intellectual property that they use to rapidly develop new products. Imaging Solutions Group is located in the Rochester, NY suburb of Fairport, NY. For more information call Kerry Van Iseghem at (585) 388-5220 or visit our website at <http://www.isgchips.com/> for data sheets, sample images and pricing.

QuadHDTV™ is a trademark of Silicon Video, Inc.

Photographs:

