

Government and Industry Applications

Customer	Application	Discussion
China Lake Naval Warfare Center, CA 	Boulder Imaging systems are currently used at China Lake's Propulsion Laboratory for recording all video from their rocket booster tests.	Multiple Boulder Imaging VisionRecorders are used to simultaneously record video from up to 16 camera sources, providing full coverage of the booster test at all critical angles of perspective.
Edwards Air Force Base, CA 	Boulder Imaging designed and fabricated the next generation of Laser Scoring System which is a key component for Edwards AFB's Radiometric Measurement and Analysis System.	The custom-built Laser Scoring System features the ability to fully characterize the performance of targeting lasers from aircraft at two simultaneous spectral wavelengths and in terms of both spatial and temporal performance. The system records infrared video and measures laser pulse frequency characteristics with 2ns accuracy.
Naval Surface Warfare Center, MD 	Boulder Imaging developed a real-time imaging system for the Naval Surface Warfare Center to study the interaction of ocean waves with Navy vessels.	Operating in an indoor research pool that simulates the ocean, the custom-designed 8-camera system includes two of Boulder Imaging's VisionNow™ recording systems. Each VisionNow system controls and captures data from four high-resolution digital cameras while synchronizing to the other system for simultaneous video recording. Each VisionNow system can capture 200 Mbytes per second of data, and each of the 8 cameras is able to run at up to 30 frames per second at a resolution of 1392 x 1040 pixels.
Lockheed Martin, Dallas, TX 	Boulder Imaging provided a digital video recording system to Lockheed Martin to test the Army's Line-of-Sight Antitank Weapon System (LOSAT) missile.	The camera system, stationed on the top of a Humvee military vehicle, captures 250 megabytes of visual information per second as a LOSAT missile is launched during testing.
SPEC, Inc., Boulder, CO 	Boulder Imaging developed both the real-time image processing system and the post-processing software for SPEC's Cloud Particle Imager, a unique instrument that takes high-resolution digital images of cloud particles.	SPEC Inc., designs, fabricates and installs innovative instruments on research aircraft. SPEC Inc.'s Cloud Particle Imager (CPI) is an instrument that takes high-resolution digital images of cloud particles. This instrument flew on NASA's WB-57 platform, one of several high-altitude aircraft used in this multi-agency mission.

**Below is a Sampling of our Government and Industry Customers:**

- Edwards Air Force Base, CA
- China Lake Naval Warfare Center, CA
- Air Force Research Laboratory, AZ
- Army Research Laboratory, MD
- Los Alamos National Laboratory, NM
- Naval Surface Warfare Center, MD
- Sandia National Laboratories, NM
- US Army Aberdeen Test Center, MD
- Northrop Grumman, CA
- Raytheon Corporation, AZ
- General Dynamics, CO
- Boeing Corporation, MO
- Lockheed Martin Corporation
 - Missiles and Fire Control, TX
 - Tactical Systems, OH
- Lexmark International, CO
- GE Energy, SC
- Trident Systems, Inc., VA
- Mercury Solutions, VA
- Opto-Knowledge Systems, Inc., CA
- Kollmorgen Electro-Optical, MA
- Ball Aerospace, CO
- Inspex, MA
- Samsung SDSA, CA
- Photon Dynamics Inc., CO
- Im Tek, TN
- Info and Imaging Systems, WI
- SPEC, Inc., CO
- Agilent, CO
- DALSA, Canada