

# MILITARY & DEFENSE TECHNOLOGY SUMMARY

Technology That Makes a Difference™

August, 2008

## FLIGHT RECORDER - VIDEO / AUDIO / DATA

### FAERITO® - Digital Flight Recorder

The FAERITO® line of Digital Flight Recorders provide well over 4 hours of synchronous Digital Video/Audio/Data (VAD) recording per channel. This unique "All - In - One" digital flight recorder meets ED-112 standards for both military and commercial aircraft. **MEMORY OPTIONS** include: 1 to 4 GB crash survivable memory unit (CSMU), noncrash (protected) internal memory and external USB removable flash memory. FAERITO® is packaged into a single compact housing measuring 4.5" x 5" x 8" and weighs less than 9lb. One or more of the following options are included in FAERITO® Digital Flight Recorders: **VIDEO** - 2 channels of NTSC (RS170 standard) or PAL Video with 1 Mbps maximum data rate per channel and utilizes POC's proprietary Wavelet video compression for the highest quality video recording and playback; **AUDIO** - up to 4 channels of high quality compressed Digital Audio with the latest MPEG 1, Audio layer 3 standard at 16 Kbps per channel; **DATA** - discrete sensors and full range analog channels with fully programmable dynamic range and sampling rate; **COMMUNICATION and DATA BUS** - options include: MIL-1553, RS422, RS232 and ARINC429.

**Applications:** Military aircraft, helicopters, UAV, UGV, Marine, commercial aircraft, ground transportation and homeland security.

**Availability:** FAERITO® is available in crash and non crash versions, and can be modified to meet aircraft specifications. Call for assistance.

Manufactured under Patents 6.137.912; 6,167,155 & 6,487,312 and other patents pending.

### UAR- Advanced Avionics Recorder WLink™ Wireless Flight Data Download

UAR addresses the need for secure wireless download and upload of aircraft data. The operating range of UAR is 2000 ft and transfers 1 Gbps of data within 30 seconds.

**Applications:** Military aircraft data links and wireless download and upload to ground station.

**Availability:** This is a future addition to FAERITO Digital Flight Recorders and will be demonstrated in 2008.



Military Aircraft



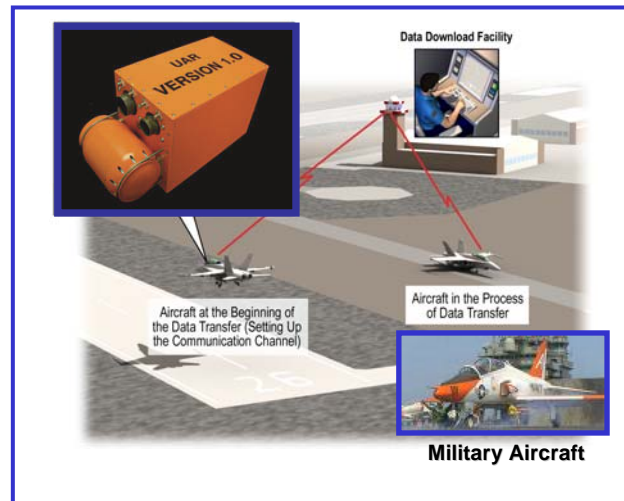
Helicopter



Commercial Airlines



UAV



Military Aircraft

Application scenario for POC's Wireless UAR System