



## AUGUST NEWS & UPDATES



### Upcoming Events

#### [DSEI](#)

#### [Ampex / Delta Digital Video](#)

September 10 - 13  
London, UK  
**Booth #N5-290 and #N5-292**

#### [Cyber Senate USA](#)

**Ampex**  
September 24 - 25  
Orlando, FL  
**Booth #TBD**



#### [Celebrating our 75 Year Anniversary with 'My Ampex Moment'](#)

It could be the moment you first encountered the company that has been providing data recording and storage solutions since 1944 or the time you were reminded that Ampex has been a part of key milestones in data

### Delta Digital Video Selected by Textron Systems for Modernization of U.S. Army's RQ-7B TUAS

Textron Systems has awarded [Delta Digital Video](#) a contract to supply the [Model 6805R HD/SD Video Encoder](#) for use in the intelligence, surveillance, and reconnaissance (ISR) technology modernization of the U.S. Army's fleet of Shadow® RQ-7B Tactical Unmanned Aircraft Systems (TUAS), which are produced for the U.S. Army by Textron Systems.



The RQ-7B Shadow system delivered the highest precision situational awareness for intelligence, surveillance, and reconnaissance (ISR) missions and force protection for U.S. Army and Special Forces units in near real-time, day or night, and in limited adverse weather conditions.

Delta Digital Video's Model 6805R is a rugged, compact, and low-power unit engineered for size, weight and power (SWaP) optimization to meet the RQ-7 Shadow aircraft's unique and emerging requirements. The Model 6805R supports encoding of SDI and composite video formats with resolutions up to 1080p, and multiplexes them with synchronous and asynchronous metadata and other vital system information for real-time transmission and recording. The Model 6805R is fully compliant with MISB/STANAG/JITC standards and profiles ensuring seamless integration with downstream processing, exploitation, and dissemination (PED) systems. [Read the full press release here.](#)

### Are Higher Data Rates Stressing Your Old Coax Infrastructure? [Contact GDP!](#)

The traditional coax infrastructure for moving PCM data has outlived its usefulness as data rates approach and exceed 10 Mbps. At these higher data rates, coax cable impedance mismatches, patch panels, coax switches, improper terminations and damaged cable dielectrics degrade the signal to the point where data cannot reliably be recovered at the destination. This results in increased bit error rates, frame sync loss and ultimately loss of critical data. In those cases where clock and data are carried over separate coax paths, this degradation can lead to increased skew between the signals resulting in unreliable clocking of the data.

Fortunately, [Telemetry over IP \(TMoIP\)](#) provides a future-proof solution to this problem. Based on commercial IP network technology, TMoIP converts serial PCM clock and data signals into packets which are carried over an IP network. Today, it is very common to have 1 Gbps Ethernet IP networks, with 10 Gbps, 40 Gbps and 100 Gbps networks now available. Commercial IP networking markets have been driving down the costs, driving up the data rates and improving reliability and robustness. TMoIP devices can easily support individual PCM streams of 40 Mbps or more, with aggregate data rates on a 1 Gbps network approaching 800 Mbps.

As packet telemetry technologies such as IRIG 106 Chapter 7, IRIG 106 Chapter 10/11 and INET increase in popularity, the [Network Centric Telemetry Range Architectures](#) will be ideally positioned to support

storage and recording history, from Hollywood to the White House, from Bing Crosby and Elvis, to the space station.

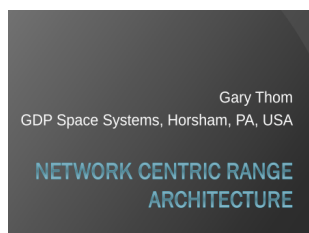
For many, their [Ampex](#) moment comes when they realize the company producing data management and security solutions today is the same company they've grown up with.

[Tell us about your Ampex moment here](#) or [tweet @AmpexData #AmpexMoment](#)



[Ampex](#) announces successful audit and continued [certification](#) of its Quality Management System and compliance with the ISO 9001:2015 Quality Management System Standard!

them. Future-proof your telemetry range infrastructure; contact [GDP Space Systems](#) to learn how our next-gen Telemetry over IP products can support your missions today and tomorrow. [View the Network Centric Range Architecture technical presentation here.](#)



## Reliable Performance Monitoring and Logging of Your Critical Mission Data

Acroamatics' [Model 2680P AGC Data Logger](#) is a stand-alone 16 channel telemetry receiver performance monitoring unit that records and displays time tagged AGC voltage samples to a log file. The 2680P is configured to input, sample, display, and log to disk time tagged analog voltages from up to 32 analog sources, such as telemetry receiver AGC monitor outputs.

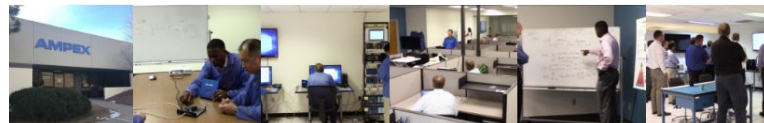


A Blu-Ray/DVD/CD R/W drive is provided for creating permanent exportable MS Excel compatible archives of mission logging results. Input sampling rates, voltage range, and logging intervals are adjustable. System hardware consists of rack mountable BNC data channel interface panels, a 1U rack-mount host electronics chassis, and a 1U keyboard /monitor drawer. Systems are delivered as turn-key, integrated systems, including all system interconnecting cabling, licenses, technical documentation, and a 12 month warranty.

## Ampex Signs CRADA with the U.S. Air Force's 318th Cyberspace Operations Group

[Ampex](#) has signed a cooperative research and development agreement (CRADA) with the U.S. Air Force's 318th Cyberspace Operations Group. The 318th Group is part of 24th Air Force (Air Forces Cyber) at Lackland Air Force Base located in San Antonio, Texas. The agreement will primarily focus on operational technology (OT) and related industrial control systems (ICS). Unlike information technology (IT), the hardware and software in OT controls and monitors the operations and functionality of physical devices, such as pumps and valves, or physical processes, such as heating, cooling, and fluid flow.

In collaboration with the Air Force, OT/ICS environments will be replicated through Ampex's [Cyber & Electronic Analysis, Development, & Integration Laboratory \(CEADIL\)](#) located in Colorado Springs, CO. The effort will develop solutions for testing, modeling, simulation, and training in support of OT/ICS cyber security initiatives and related operations.



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