



DECEMBER NEWS & UPDATES

[Delta Family of Companies](#)



AMPEX

2018 Events

[AUVSI Unmanned Systems Defense](#)

Delta Digital Video
February 6-8
National Harbor, MD
Booth #401

[Singapore Airshow](#)

AMPEX
February 6-11
Singapore
Booth #SME

[NAB](#)

Delta Digital Video
April 7-12
Las Vegas, NV
Booth #SL11818

Industry Observances

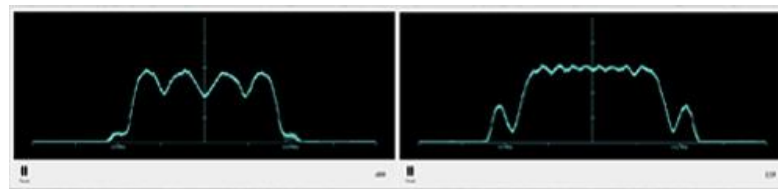
January 6
Technology Day

January 9
Law Enforcement
Appreciation Day

January 18

Tech Tips: Combat the Effects of Multipath Distortion and Fading through Adaptive Equalization

[GDP Space Systems'](#) newest [Multi-Band Range Telemetry Receivers](#) are designed with the latest technology to provide Adaptive Equalization for all modulators. An Adaptive Equalizer (AEQ) is a filter that automatically adjusts itself to mitigate time varying distortion in a received signal. A properly designed AEQ can be used to combat the effects of multipath distortion and fading on a telemetry signal.



Spectrum with Multipath

Equalized Spectrum with Multipath

- True multipath mitigation
- Fully adaptive/automatic
- No special transmitter required

[Learn more](#) about the substantial performance improvements provided by the Adaptive Equalizer (AEQ) in a multipath environment.

New AMPEX Facility is Built for Success!



AMPEX launched [BLUE Lightning](#), a digital security technology for control systems, by providing a customer demonstration in the new Colorado Springs facility. The Colorado Springs Mayor, John Suthers, will officiate the facility's **Grand Opening at 4 PM on January 31st, 2018**. AMPEX will also provide technology demonstrations that day.

This new facility includes a Cyber and Electronic Analysis, Development, and Integration Laboratory (CEADIL). The CEADIL will provide state-of-the-art development, testing, modeling, simulation, and training for the full spectrum of cyber and electronic equipment, applications, and personnel with an emphasis on cyber operations and airborne/ground-based control systems and associated networks. The Colorado Springs location will also lead AMPEX's continued development of machine learning and artificial intelligence for a variety of government and commercial applications.

Scalability for Video Distribution & Display Apps

[Delta Digital Video's Model 9610 Video Distribution System](#)

(VDS) provides scalability for video distribution and display applications. The VDS and its companion video encoder/decoder modules provide a cost-effective solution for encoding, streaming, and decoding



Get to Know Your
Customers Day

January 28
Data Privacy Day

Happy Holidays!

During this holiday season, we want to let you know how much we appreciate your business, loyalty, & continued support.

The Delta family of companies is looking forward to assisting you with your visual communications, aerospace recording, and telemetry needs in 2018!

diverse video formats such as those found in ground stations, operations centers, and classrooms.

- 1U chassis supports up to 8 encode and/or decode channels
- Integrated network switch and controller

Want More Processor Power? Add a Processor Slice!



[Acroamatics'](#) latest Telemetry Data Processor (TDP) products have been enhanced with a redesigned low latency programmable EU processing and data distribution (or Programmable Data Stream Processor - PDSP) card. The PDSP enables users to compose real-time data processing and data output formatting programs through its onboard library of over 400 advanced EU and data conversion algorithms, sourcing measurement data from any stream input to the host TDP system. Features include:

- **NEW** High Speed EU processing - Complex scaled, derived, and EU converted formats to 4MS/sec streaming
- **NEW** Dual PDSP - Doubles aggregate system EU output processing and distribution rates to 8 MS/sec
- Low Latency, Deterministic, Windows OS Application Independent
- EU Processing Engine Direct Multi-Stream Networked Data Distribution
- Derived If / Then / Else, to 7th Order Polynomial, and new advanced streaming Output Data Reformatter /Serializer
- Integrated Raw and Processed data recording, post-mission playback, and file conversion & export tools

We Know Small SWaP

Today's aerospace and defense applications demand high performance in a small package. Size, weight, and power consumption (SWaP) must be managed and reduced across military and aerospace applications to improve operational efficiency, increase mission life, and reduce the cost of system ownership.

The Delta family of companies offers a series of products that focus on small SWaP and are designed to bring as much capability to the forward edge of the military and aerospace industry as possible. Facing challenges with system performance, standards, and packaging has allowed Delta's experienced specialists to design products and solutions to improve any system design. Contact your local representative to learn more about our small SWaP offerings.

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