High-Speed, Multi-Channel Serial FPDP Recorders

Pentek introduced the Talon family of high-speed, multi-channel Serial FPDP turnkey recording systems: the Model RTS 2716

commercial rackmount, the Model RTR 2736 rugged portable, and the Model RTR 2756 rugged rackmount recorders. Using state-of-the-art disk storage technology, these systems are highly flexible and achieve aggregate recording rates up to 2 Gbytes per second.

As complete recording systems, the Talon recorders are ideal for capturing any type of streaming sources including live transfers from sensors or data from other computers. The built-in Windows 7 Professional workstation with an Intel Core i7 processor gives the user total flexibility in routing data to various drives, networks, and I/O channels. Plus it allows the user to install post-processing and analysis tools to operate on the recorded data.

“These recorders exploit the latest storage technology to deliver the industry’s fastest recording rates and deepest capacities,” said Rodger Hosking, vice president of Pentek. “Our SystemFlow recording software simplifies user operation and the application programming interface (API) allows system integrators to add the recorder as a peripheral to a larger system.” Rodger added, “We offer these recorders in many different configurations for operation not only in the lab, but also in the field and on board vehicles, ships, and aircraft. The SSDs (solid state drives) we use in the ruggedized recorders are immune to shock and vibration and are ideal for severe environments.”

Data files include time stamping as well as recording parameters and optional GPS (global positioning system) information. They are stored in the native Windows NTFS (new technology file system) format, allowing drive units to be read by personal computers eliminating the need for file conversion. Files can also be downloaded from the system through gigabit Ethernet, USB ports, eSATA3 ports or written to optical disks using the built-in 8X double layer DVD±R/RW drive.

Talon recorders are able to move data at a very high rate to the latest generation of high-capacity disk drives. The rugged portable (Model 2736) and rugged rack-mount (Model 2756) recorders are configured with SSDs while the commercial rack-mount (Model 2716) recorder is configured with HDDs (hard disk drives). The drives are hot-swappable and can be easily removed or exchanged during or after a mission to retrieve recorded data.

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