



Van Cleve & Associates, Inc.

Security & Surveillance Technologies

Vanguard Products, Clever Solutions

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Van Cleve & Associates, Inc.'s monthly newsletter is intended to keep you, our valued customer, up to date with announcements regarding our latest products and technologies, upcoming exhibitions and conferences, and other news and events in the security and surveillance industry.

Product News

McQ, Inc.

vWatch Video Transport System Video Transmission over Wireless Networks

McQ, Inc. has developed a video relay capability over the IRIDIUM OpenPort satellite communications system. The system is designed to provide video surveillance in a remote area and send up to four independent video feeds over a wireless link. The initial system was developed to be able to remotely control an Army robot vehicle which has four cameras installed on it. Through vWach the four video streams are transmitted over the IRIDIUM network to a user, either simultaneously or individually, allowing the user to remotely control and drive the robot.

vWach has the ability to throttle the video system data rate to dynamically match a wireless communication link variable channel bit rate. The operator can also choose a data rate for the video which limits the wireless channel bit rate in order to control the cost charged to the user by the communication link provider. Another feature is the multiplexing of multiple cameras with individual control over each camera resolution, data rate, and frame rate while still dynamically matching the aggregate data rate to the channel bit rate. Finally, the system is able to offer improved motion video clarity by significantly reducing compression artifacts due to target motion.

vWatch Features:

- Provides excellent tactical video quality over wireless communication links
- Streaming tactical value video from 1 to 4 cameras over a narrow bandwidth/low bit rate RF channel (Military IP Radios, IRIDIUM, 3G/4G Cell Phone, RF Data Modes)
- Very credible tactical video at channel bit rates as low as 8 Kbps
- Dynamically throttles the video data rate to match the channel bandwidth
- Permits setting low data rate to control data rate charges by service provider
- Server stores video for playback, analysis, and archival
- Offset cost increase from wireless carriers

Please contact VC&A for additional information on these or any of our products, or to schedule a demo.

MZeal

Pearl FA Network Monitoring Software Detect Anomalies on any Network

Pearl Fast Analytics (Pearl FA) from MZeal is a network monitoring software which identifies anomalies that appear on the network. The software operates on any kind of input data that can be represented as a stream of real numbers, and is designed to overcome the limitations of conventional approaches to anomaly detection. It does not impose preconditions or make assumptions about incoming signals, nor does it rely on user-established thresholds. Rather, it develops intrinsic measures of usual behavior from the data stream itself, giving Pearl FA the ability to detect subtle changes.

Pearl FA is online (acts directly on in-coming data as it arrives), real-time (generates alerts within a fixed, configurable delay), and lightweight (algorithms are computationally inexpensive and require a fixed amount of memory).

The software is optimized for real-time analysis of streaming data, and can be used as a standalone product for that service. For more complex analytic challenges, the real-time capabilities of Pearl FA are complemented by the Pearl Deep Analytics (Pearl DA) product. Pearl DA employs a number of innovative supervised and unsupervised Machine Learning mechanisms to provide efficient Pattern Identification and Classification on massive data sets.

Peal FA was initially developed under the sponsorship of the US Government as a tool for network cybersecurity and has been tested on the U.S. Geological network, among others.

Other News & Notes



A1001 Network Door Controller

Axis has entered the Access Management market with their new A1001 Network Door Controller. The A1001 is an open, non-proprietary, IP powered device that is installed next to a door and automatically synchronizes data between the controllers in the system.

VC&A Exhibiting

GovConectx Ft. Belvoir Expo

VC&A will be exhibiting at the Ft. Belvoir Expo on February 27th. The event is being put on by GovConectx and will take place at the Army Officer's Club at Ft. Belvoir, VA.



Bosch Flexidome IP Corner 9000 MP

Bosch's new 9000MP is a corner camera designed to view an entire small room, including directly beneath the camera. The 9000MP has 1.5 megapixel resolution with an integrated 940 nm IR illuminator and is IP65 rated.

Van Cleve & Associates, Inc. is a small, woman-owned security and surveillance equipment distributor located in Alexandria, VA. With over 15 years' experience and more than 40 vendor relationships, VC&A has the technology and expertise to assist with any and all law enforcement requirements. Contact us today for more information or to schedule a demo of any of our equipment.

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