



## **EVA Whitepaper**



**What is EVA?** EVA stands for “*Event Video Assessment*” for our *AlertWerks Plus* IP ServSensor Network Hubs and *Intelli-Pass Plus* Biometric Perimeter Access Control System (PACS) solutions with integration with our new *EVA Solution Integration Software Modules*. It is the first and only integrated and standardized network transmission solution specifically designed for IT Professional applications for Data Centers, Data/Comm. Closets, etc with a unique open path to truly integrate IP and analog systems. **EVA** offers a unique approach to IP systems addressing major concerns such as environmental monitoring and protection of critical IT system components, bandwidth optimization and comprehensive management of IP Video cameras and Biometric readers on a single hardware and software platform. **EVA** provides IT Professionals with a cost-efficient and highly effective networking solution to achieve enterprise level systems integration with unsurpassed versatility relative to both networking capabilities and the means by which it can be configured and implemented.

Additionally **EVA** addresses the different set-up and operational needs of IT Professionals to provide easy system integration and balance between personnel responsible for surveillance applications and the IP transmission backbone. **EVA** also delivers extensive networking features and functionality with an open path allowing integration of IP products from other manufacturers’ products (servers, video devices, access control, software, etc.) with any combination of **EVA** appliances and software.

**What makes EVA different?** There are several features that differentiate **EVA**. First is the inclusion of our *AlertWerks Plus* products such as Environmental Sensor Probe Appliances which monitors both components within an equipment rack, Data Room and/or Data Closet for water, temperature, airflow, humidity, power and IP Video/Audio communications. Second the inclusion of our *Intelli-Pass Plus* which monitors Intrusion Detection, Fire Detection, Turns Lights-On via a programmable event or user and controls access entry via a 2, 3 or 4 Factor Biometric Reader. Environmental sensing is also combined with alarm inputs and auxiliary outputs with the comprehensive logging, polling and email alerts available.

**EVA** combines our *AlertWerks Plus* products Environmental Sensor Probe Appliances capabilities with our IP ServSensor Network Hub, an IP communications center wrapped around a 6-port PoE network switch. *AlertWerks Plus* IP ServSensor Network Hub features a layer 2 switch featuring (4) 10/100 base T ports and (2) Gigabit Ethernet (Ge) ports allowing for drop and insert and cascading configurations. Unlike other network switches, our IP ServSensor



Network Hub contains a unique feature called **PortFlow™** which monitors network traffic to specific packet flow rates as set by IT Professional.

**EVA** Integrated Software Modules monitors our **AlertWerks Plus** Environmental Sensor Probe Appliances and our IP ServSensor Network Hub series products while providing IP video and audio surveillance and storage management for hundreds to thousands of IP video cameras with 2-way audio capabilities. **EVA Integration Software** management provides many features such as data acquisition and parsing, report generation, client to client communications, and alarm profiling not found in other programs, or only available as extra cost features. The most unique feature of **EVA** is our adherence to the principle of Open Path. Any component of the **EVA** system can be used individually and incorporated into another manufacturers' system. This includes the ability to adapt individual modules within our **EVA Integration Software** manager.

**What about Integration into existing structure?** In conducting market surveys prior to **EVA** development Black Box Network Services learned there was concern on the part of IT Professionals; each of whom has specific individual needs. We addressed this issue in both the **EVA AlertWerks Plus** Environmental Sensor Probe Appliance & IP ServSensor Network Hubs and **Intelli-Pass Plus** Biometric PACS by providing different set-ups and operations for IT functions. Each group can set-up and operate Environmental Sensor Probe Appliance & IP ServSensor Network Hubs and Biometrics PACS without affecting the other. Within each IT network structure there are several different individual security levels.

**What else can you tell us about EVA?** **EVA** is all about providing customers with choices. As previously stated, **EVA** is designed to deliver an Open Path that allows IT Professionals to interface with a complete system or to specific components within a system. The versatility of how **EVA** is configured is not only limited to hardware but to software also. In addition to offering, Enterprise and Mobile **System Software** and special versions for enhanced client operations and interfacing to IP ServSensor Network Hubs and Environmental Sensor Probe Appliances, all **EVA System Software** management is available as software only or Bundled on our **EVA Enterprise Series**. **EVA Enterprise** is a hardware and software solution that combines a Server and optional Redundant Server and RAID configurable storage.