

Today's security professionals are faced with the daunting task of keeping a watchful eye over America. Over 50,000 critical points of transportation, commerce and energy infrastructure must be protected, as well as, thousands of private businesses. Providing surveillance for this number of targets requires a level of performance and stability that is overwhelming for the security industry using today's technology.

DataCom Systems seeks to change this by converting old reactive security architecture into proactive security nets that can detect and respond in seconds to a multitude of different threat scenarios. At the base of the DataCom system is the unprecedented ability to capture, view, analyze and transmit video data with the highest camera-to-server ratio in the industry. HDTV video feeds can be captured in real time at over 30 fps across networks comprised of 1000's of cameras. The feeds are then converted to data and analyzed by a host of next generation analytics, capable of detecting movement, patterns of activity, unattended objects, and even discerning the walking patterns and gaze direction of crowds of people. The Datacom solution will enhance the deployment of facial recognition and other crime preventative technologies into the mainstream. DataCom's unique ability to perform is based on the advanced 64-bit video capture technology and coding algorithms found in its video compression board and suite of software products.

DataCom and IBM have teamed up to develop a stable and reliable platform for deployment of the DataCom solution. IBM's eServer tower, rack, and BladeCenter® servers rank as the most advanced computing platform and are World renowned for robustness and stability. The strong attributes of the hardware platform combined with the advanced technology of the Datacom solution brings unparalleled power to the security industry.

The goal of combining powerful IBM hardware with DataCom's management software is to produce actionable intelligence, in real-time, as an extension of the already watchful eye of the security professional. The system gives security professionals the ability to focus their attention on matters that warrant their attention by prioritizing responses and acting in coordination with the security infrastructure. As video is collected by the system, virtual tripwires and activity detectors alert security professionals to activity that occurs within a set range of parameters. Unauthorized access, suspicious movement, unattended objects, erratic behavior, too many individuals in a certain area, or a variety of other parameters can be configured for specific camera groups.

The total DataCom solution can be seamlessly integrated into any new or existing security infrastructure to maximize the broad investment organizations have made in their security architecture. The solution enhances the performance of all cameras regardless of their physical location. The DataCom Systems solution can operate with almost all cameras, storage, network, and archiving options providing unlimited flexibility in today's ever-changing security market.