

## Architecture Philosophy

We believe in establishing a security architecture which serves as a blueprint from which to build security systems from. We fully recognize that video surveillance technology is rapidly changing – more capable systems at more affordable prices. It would be foolish to deploy a solution that is product-based and does not take into consideration the evolving technology within the surveillance industry. With an architecture, we can tie the requirements – including the threats and vulnerabilities associated with the facility – to the solution. Understanding the threats and vulnerabilities are only a part of the requirement process. Understanding the vision that an organization has for an enterprise architecture, understanding the policing policies and finally, understanding how an organization would administer and manage such an architecture, are all critical components that need to be taken into consideration when developing an architecture.

With such a rapidly developing technology as Digital Video Surveillance (DVS), it is important to incorporate within your architecture the ability to adopt technological advances as they become more cost effective and more mission-critical. We understand where DVS technology is headed, and as such, includes provisions for those advances within our architecture approach. We call this ‘Future Proofing’.

Our value proposition lies within our approach:

- **Architecture-based** – we develop a surveillance architecture before we implement a solution
- **Network Video Recorder/Software-based** – our solutions run on standard computers and take advantage of computing architectures – not DVRs
- **Event-based** – all our solutions are based on events. Events can be motion detected, plate recognized, audio detected, credential presented, face recognized, etc. By establishing an event-based architecture, more intelligence can be put into the solution.
- **Intelligent** – detection and alarm-based systems help guide security personnel to potential problems – not simply a monitoring environment.
- **Forensics** - we incorporate Pixel-based analytics
  - **Face Capture**
  - **Face Recognition**
  - **License Plate Recognition (LPR)**
  - **People Counting**
  - **Object Left-behind**
- **Infrastructure re-use** - we are able to take advantage of existing infrastructure – we re-use cameras, wiring, computers and other technology.
- **Process-based** - the processes and policies must be established before the surveillance technology deployed. The systems must be usable and targeted for the intended surveillance environment
- **Requirements-based** – our solutions are targeted at mitigating the **threat** and **vulnerabilities**. By establishing an understanding of the threats and vulnerabilities to an organization, we can implement solutions that mitigate those vulnerabilities and are focused on prevention, detection, mitigation, and prosecution of identified threats
- **Future-proof** - we can accommodate technology innovations when available and affordable without penalty on current investments.