



Infinova's Best-in-Class **Solution**

Infinova's Best-in-Class solution encompasses a wide spectrum of product technology to meet the security needs of government, industry, retail, and service companies around the globe. Our industry experience in IP, analog and fiber optics reinforces our reputation for flexibility with both integrators and end users. Because we are a manufacturer we have full control over the design and specifications of our products. This gives you the flexibility to meet specialized project requirements where customized solutions are needed.

The foundation of our solutions and technology is coexistence: IP and analog systems working together side-by-side. This saves you money and extends the life of your existing equipment.



Coexistence

Should Your Clients Jump to IP?



Yes, but in a cost-managed way that extends the life of your existing equipment. How quickly and how far depends on the specifics of your project. Since migration will take place gradually for the security industry, coexistence makes the benefits of IP technology available now, without having to write-off existing analog capital equipment before it is fully depreciated.

Before making any decisions it is important to brainstorm and spend time exploring basic front-end details.

- Determine what surveillance needs to do
- Prioritize the risks and vulnerabilities of your site
- Select a migration strategy and technology to fit those real-life needs

Security is not only a technical challenge, but an operational and business challenge as well. The most cost-effective migration strategy is coexistence, where analog and IP exist side by side. By preparing, assessing and balancing out your needs and budget, making the jump to IP should be easy and affordable.

How Do You **Protect** Your Investment?

With Infinova's V2216 Software, Analog and IP Coexist on the Same Network

Over the years your organization has probably made a substantial investment in analog technology. On the one hand, it makes sense to extract the most value out of that investment. But you know that IP technology offers distinct advantages in many situations. Infinova understands this dilemma perfectly. In fact, it lies at the core of our coexistence strategy. We want you to keep

what works and we believe that you can manage the transition to IP in a way that won't take a huge bite out of your budget.

With Infinova's V2216 Software, the heart of our coexistence solution, you're actually running two technologies side by side where Analog and IP become part of the same solution.



A Best-in-Class Solution

A best-in-class approach brings together technology from different manufacturers into a solution that meets customers' business needs precisely. Part of our corporate culture is to work with open platform manufacturers to integrate Infinova technology with their solutions; for example, Milestone Systems and NICE Systems.

We achieve this through a common Application Programming Interface (API). As part of our quality process we provide full support for the Infinova API including:

- Software Developer's Kit
- Published documentation
- Training
- Project consulting

On completion we verify all functionality according to our ISO-9001 system to make sure every feature works flawlessly. If the device passes all tests, Infinova will recommend it for inclusion in our best-in-class solution.



Infinova V3009 Series Embedded
Digital Video Recorder



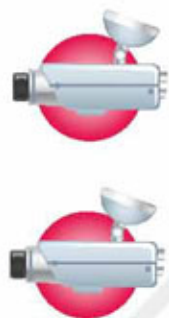
Infinova V2015 Series
Networkable Video Matrix
Switcher



Analog
Video Wall



Infinova V5103 Series
WDR Fixed Cameras



Infinova V1700 Series PTZ Dome Cameras



Infinova V2015 Series Networkable
Video Matrix Switcher



Infinova V3034 Series
Mini Network
Digital Video Recorder



Infinova V2040 Series Networkable Video
Matrix Switcher



Infinova V3011 Series Network Digital
Video Recorder

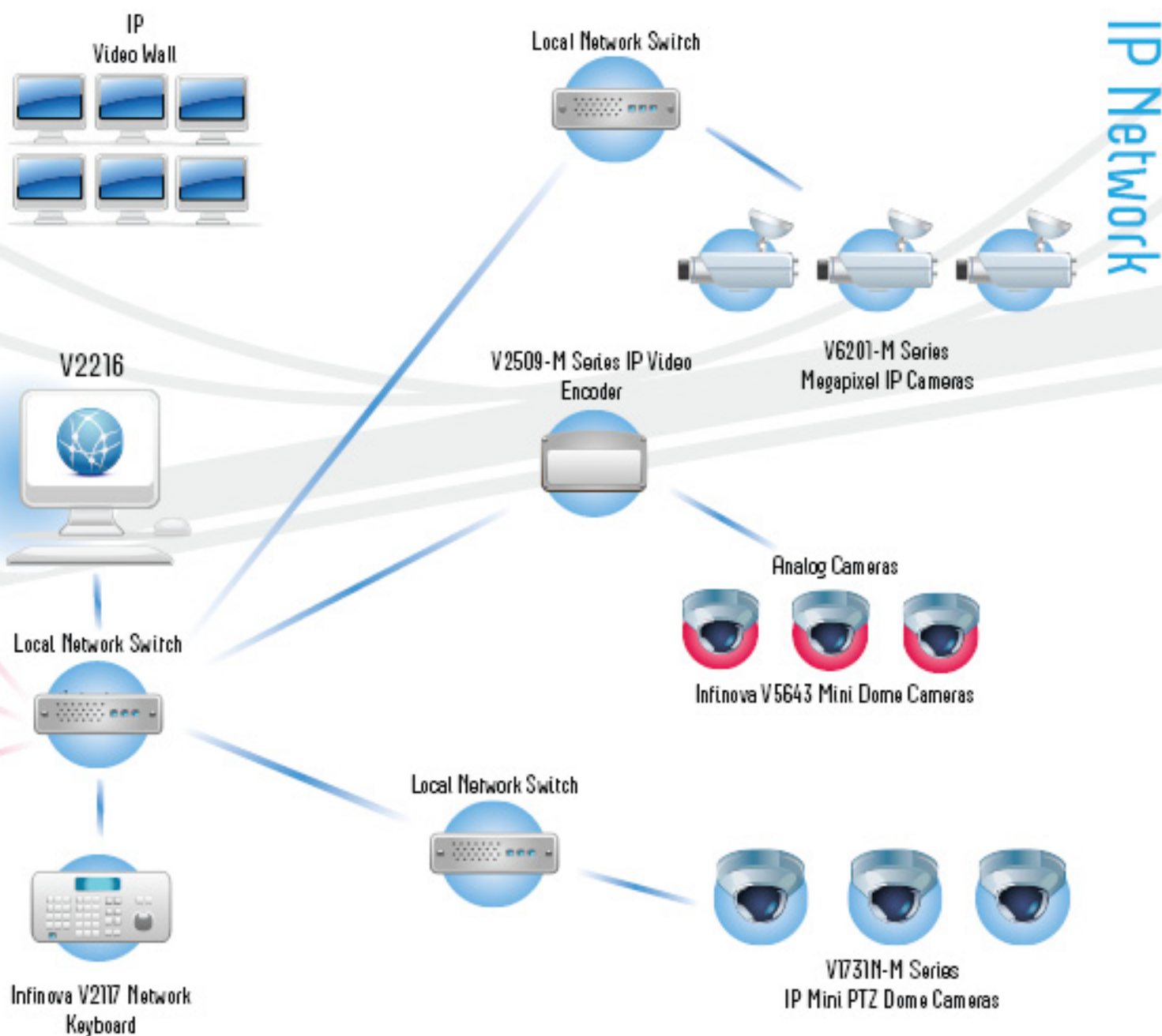


Infinova 5643 Mini Dome Cameras

Analog Network



Coexistence Is The Bridge To IP



IP Product Family

A Complete Line of IP Equipment

Infinova's megapixel and IP cameras feature a larger format sensor (1/2.5") that gives excellent low-light performance at megapixel resolution. With a frame rate of 25 FPS and full HD resolution they can handle demanding surveillance jobs that require high frame rates such as dealer tables in casinos and teller stations in banks.

All cameras and video servers are equipped with an SD storage card on the device. Where 24/7 recording is essential, the SD cards provide failover recording should there be a network error. The SD card also permits remote recording for transport applications such as busses, trains and subways.

To make the cameras easy to work with they all have both IP and analog output. This makes the cameras very easy to install and fast to focus by simply attaching a test monitor.

V6201-M Series Megapixel IP Camera



V6622-M Series Vandal Resistant Day/Night IP Minidome Camera



V1771N-M Series HD IP PTZ Dome Camera



V1492N-M Series Integrated IP PTZ Camera System

V2508 Series Network Video Decoder



V2509-M Series IP Video Encoder

The World's Largest BMW Dealer

In Los Angeles, California, USA, Infinova installed a state-of-the art video surveillance solution based on our industry leading IP PTZ dome cameras. Acres of valuable new BMW cars, showrooms and other site buildings are protected by high-resolution, high frame rate recording from all cameras 24 hours a day.

The solution uses an IP network to connect the cameras and can be accessed from anywhere on the internet using Infinova's Network Video Management software.

- 40 Infinova IP PTZ Dome cameras
- Infinova Network Video Management software



Analog Product Family

A Complete Line of Analog Equipment

Infinova analog cameras feature high resolution CCD sensors combined with advanced digital signal processing (DSP) to give you an excellent signal to noise (S/N) ratio of more than 54 dB. The high S/N ratio gives enhanced color and better image clarity generating excellent evidence that captures the smallest details even in low light conditions.

Using an Optical or Digital day/night switch function, cameras can automatically switch from color mode to black and white (B/W) mode in very low light environments. This gives you a highly effective security solution for 24/7 surveillance. Wide dynamic range (WDR) cameras feature PIXIM® DPS (Digital Pixel System) that has an even wider 120 dB dynamic range that gives you excellent sensitivity to changes in lighting. The WDR cameras have a higher S/N Ratio, improved color rendering and better image quality providing excellent surveillance video under extremely difficult lighting situations.

For extreme lighting conditions some models feature digital slow shutter (DSS) that allows a long exposure time of 1/2 second, providing a higher sensitivity in minimum illumination conditions down to 0.03 lux.



V5103-A3 Series WDR Color Camera



V1740A Series PTZ Dome Camera



V5412-A5 Series Day/Night Fixed Minidome Camera



V1731A Series Mini PTZ Dome Camera

Kuwait International Airport

Kuwait International Airport is ranked as one of the world's best airports for on-time arrival and departure performance. Infinova created a high-capacity, fully integrated solution across different technologies as part of the new airport expansion (32,000 sq. Meters). The Infinova solution meets the airport's strict requirements for a high-performance security system to protect thousands of daily passengers and employees.

- Infinova Networked Matrix Switchers
- Infinova PTZ Dome Cameras
- 80 Infinova Fixed Day/Night Cameras
- 24 Infinova Control Keyboards
- 6 Infinova 1TB Capacity Digital Video Recorders



Fiber Optic Product Family

A Complete Line of Fiber Optic Equipment

Infinova's comprehensive line of fiber optic communications products have key advantages that give you superb system performance and can significantly reduce your cost on equipment and installation. Infinova has the industry's most complete line of products for video, audio and data transmission for digital single-mode and multi-mode fiber. Our fiber optic (FO) modules are plug-and-play so you have no adjustments to make.

With the highest optical budget in the industry, you can go longer distances and make more connections without additional FO modules. This saves you cost on equipment and labor and gives you a more reliable installation, since fewer components means fewer points of possible failure.

The industry's widest optical dynamic range gives you greater latitude in design and installation without encountering problems from over-driving or under-driving receivers. For your installation that means equipment savings, possible labor savings and greater peace of mind for your operations staff.

The industry's highest racking density lets you fit more equipment in less space which means further cost savings on racking equipment. For example, Infinova FO modules often require only one-half to one-third as much rack space. Infinova FO modules can be reconfigured between stand-alone units and rack mount, giving you flexibility and scalability as your systems grow. You can start with a small project and grow to a larger system without losing your initial investment.

Infinova V5103 Series
WDR Fixed Cameras



Infinova V1700 Series
PTZ Dome Cameras

N3784



N3784



Fiber Optic

Local Network Switch



N3548 Series Digital Fiber Optic Transmission



N3784 Series Digital Fiber Optic Ethernet Transmission



N3790 Series Expandable Digital Fiber Optic Transmission System



V2216



Infinova V2117 Network Keyboard



Control Product Family

A Complete Line of Control Room Equipment

Ethernet control in Matrix Switchers
Infinova matrix switchers give you built-in Ethernet control as standard and the ability to add Video over IP (VoIP). This gives you the scalability and flexibility you need as your surveillance system grows and reduces your equipment and installation costs. Using Ethernet networking you can implement peer-to-peer communications between nodes which gives you higher reliability than a central server configuration (since the failure of a single node does not affect the rest of the system) and eliminates the cost of a server.

For large systems, video over IP (VoIP) provides remote programming and selection, viewing and PTZ control of up to any number of cameras from anywhere on the internet. This gives your operations staff a highly flexible solution that is easily accessible from remote locations through the internet.

High Performance Network Digital Video Recorders

Infinova Network Digital Video Recorders (DVRs) feature high-quality video/audio compression, large-scale hard drive capabilities and TCP/IP networking giving you the industry's most reliable and most flexible Network

Digital Video Recorder. Configurations from four to 16 channels of video are available to meet the requirements of large and small projects.

Infinova DVRs utilize an embedded processor with an embedded VXWorks operating system and function both as a Digital Video Recorder (DVR) and a Digital Video Server (DVS). All Infinova DVRs feature:

- Real-time compression of video and audio signals
- Local hard drive recording
- Real-time video/voice preview
- Video/audio switching functions
- Local and remote video playback
- Real-time network transmission
- Scheduled download to a video server
- Large scale video storage units for archiving

Infinova DVRs support Internet Explorer (IE) and bi-directional audio capabilities giving you remote access through either a local area network (LAN) or the Internet. Your remote operators can view and control live or recorded images through TCP/IP with user access managed through a hierarchy of levels.



V3009 Series Embedded
Digital Video Recorder



**V2040 Series TCP/IP
Networkable Video Matrix
Switcher**



**V2117 Series Programmable
System Keyboard**



V1362 Series LCD Monitors



US Dept. of Homeland Security in the Port of Miami

For the US Dept. of Homeland Security in the Port of Miami we provided Infinova technology for their Matrix Switchers connecting them over a fiber optic communications backbone. To protect their investment we engineered a seamless integration with their existing Lenel access control system.

- 350 Infinova Fiber Optic Transceivers
- Infinova IP addressable Matrix Switchers
- Lenel Access Control integration

Specialized Product Family

A Complete Line of Specialized Equipment

Integrated IP PTZ Camera System for transport surveillance

For demanding Intelligent Transport Systems (ITS) applications Infinova was the first camera manufacturer to use IP video technology on its integrated PTZ cameras for transport and highway surveillance. In addition to 360° continuous rotation Pan/Tilt and 36x zoom, the camera can tilt -90° to look straight down and tilt +40° to look up hills in the highway.



V1492N-M Series Integrated
IP PTZ Camera System



Universal Security Platform

The N3100 Series Universal Security Platform bridges the divide between analog and IP security networks. Used in tandem with our V2216 software, the USP contains ports and settings for both analog and IP cameras and network equipment.



N3100 Series Universal Security Platform



V1631 Series Explosion-Proof Camera

Explosion-proof PTZ Surveillance Cameras

For hazardous environments such as the petroleum or chemical industries, Infinova's explosion-proof surveillance camera has a 360° continuous rotation Pan/Tilt, and is equipped with a 36x zoom lens. The camera housing is made of Electro Polished 316 stainless steel to prevent fire and explosions. The design complies with industry certifications: IECEx, ExdIICT6, CNEEx and ExdIICT6.



V1750 Series Pressurized PTZ Dome Camera

Rugged, pressurized PTZ dome camera

Infinova's rugged V1750 series pressurized PTZ dome cameras feature a nitrogen pressurized stainless steel rim for maximum protection against airborne contaminants and moisture. Solid-state sensors in the housing relay important system information, such as internal temperature and pressure readings, back to the control center.

V1700M/S Series Fiber Optic PTZ Dome Camera



Fiber Optic PTZ dome camera

The V1700M/S Fiber Optic PTZ Dome Camera plugs directly into a fiber optic cable without the need for an external fiber optic modem.

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