

INTELLIGENT VIDEO Security Solutions





CORPORATE PROFILE



VISION STATEMENT

To be the leader in integrated video solutions that assist businesses increase profitability.

MISSION STATEMENT

i³ provides:

- Innovative,
- Integrated and
- Intelligent

video products through a family culture that values an outstanding customer experience.

OUR EXPERIENCE AND DEVELOPMENT

i³ International Inc. is a leading designer, manufacturer, and supplier of digital video technologies for today's security industry. Founded in 1987, we were originally established to assist customers with security installations. With subsequent advancements in technology, however, we soon began evaluating alternative technology solutions, finding a niche in the production and distribution of digital video management systems. The company quickly excelled in developing cutting-edge technology solutions designed to take conventional security to the next level.

By early 2000, we had earned a reputation as one of the most flexible and technologically innovative companies in the industry. Within a four year period, the demand for our product had sky-rocketed. The explosive growth of the company required the opening of new distribution and warehousing facilities and the expansion of our highly-skilled engineering and development team. Headquartered in Toronto, Ontario, i³ systematically established a vast network of partners and dealers, through which we distribute competitively priced, state-of-the-art technologies. i³ operates globally, with numerous sales and service centers throughout North America, Europe, and Asia.

OUR PRODUCTS AND SERVICES

i³ International is an ISO 9001:2008 certified company with a complete line of UL/ULC/TuV Listed products. Our technology uses sophisticated video compression techniques and large capacity, relatively inexpensive hard drives to store and rapidly retrieve compressed video images. i³'s technology platforms include data management software, license plate recognition software, human/object recognition and tracking software, and retail point of sale applications aimed at providing retailers with critical sales transaction data. Our systems can be found in thousands of locations across North America and have been chosen for such major installations as:

- The Seattle Space Needle
- Bank of Oklahoma, Oklahoma
- Ellsworth Air Force Base
- Loblaws
- Tim Hortons
- Babies "R" Us
- The Peace Bridge
- Pizza Pizza
- The Deadwood Gaming Community,
- and countless others...

OUR TEAM FOCUS AND COMMITMENT

Our company takes great pride in maintaining a team-based, family centered work environment in the face of rapid expansion. In fact, the family atmosphere that characterized our business at its inception still very much defines the company today.

Clients continue to be drawn to us, not only because of our commitment to quality products and services, but also because of our unique, collaborative working environment. The i³ product line is powerful, flexible, and highly innovative. Using industry specific knowledge and technological expertise, we continue to be at the technological forefront of the security industry, offering the most cost-effective, integrated security solutions on the market.





OUR CORE VALUES AND GOALS

Having built our reputation on flexibility and innovation, i³ remains committed to the pursuit of customer satisfaction. By meeting and exceeding customer expectations, we have become a supplier of choice in our market; continuously improving quality and service by:

- maintaining an on-going dialogue with our customers to raise awareness of customer needs
- providing world-class training and support to our talented employees
- encouraging a team-based work environment in the face of rapid expansion
- developing a support network of dealers and suppliers who share our company's core values
- participating in on-going compliance reviews to perfect our quality management processes

i³ understands that 'product quality' and 'service reliability' are vital ingredients for success in a competitive business environment. Consequently, we strive to conduct all business with integrity and deliver the kind of products that contribute to our stakeholders' growth and success. The benefits of the i³ Experience are exemplified by our Quality Assurance Statement:

QUALITY ASSURANCE

i³ strives to ensure the superior quality of our products and services by:

- setting industry standards for innovation in digital video technology
- providing technical expertise through our 24hr a day, 7 day a week technical support service
- offering in-house and on-line training and dealer certification courses
- · continuously improving the efficiency of our standards-compliant products
- ensuring the timely delivery and superior reliability of our products

At i³, we believe that our customers are our greatest asset.

We believe customers are the reason we exist.

We listen, we adapt, and we operate with efficiency.

We believe quality, communication, and continuous improvement are vital to the success of all our products, processes, and people.

We act at all times with the highest integrity and empower our employees with the responsibility of continuous improvement.

The outstanding quality of our products is reflected in our ISO 9001:2008 certification and our extensive line of UL/ULC/TUV Listed products.

Award Winning Products & Software

NPS Judges Choice Award

Profit 100 Magazine

i³ International Ranked 11th out of 100

Fastest growing companies in Canada.

The SIA (Security Industry Association) awarded the prestigious Judges Choice Award for Commercial Products to i³ International for the SRX48032 ARM at the New Product Showcase Awards at the ISC West trade show in Las Vegas, Nevada.





Business Solution Magazine i³ International has been selected by Business Solution Magazine for best channel product.









Manufactured & Assembled in Canada

INTELLIGENT SOFTWARE



Video Management Solutions

i³ International's intelligent software solutions: i³'s intelligent analytics, POS Integration, license plate recognition, central management system, video surveillance, and access control systems, are seamlessly plended security within a single unified platform. This platform allows the user to consolidate real-time monitoring, alarm management, reporting, and playback of events across theie entire security system., from one interface. By selecting i3 International, you are choosing a single simple solution that is intelligent, innovative, and integrated. By seamlessly integrating all of the i³ technologies, we are able to eliminate the inefficiencies of running multiple applications, thus ensuring an effective and efficient user experience.

- SRX-Pro VMS Software
- Central Management Software (CMS)
- Video Analytics
- Business Activity Monitoring (BAM)
- POS Integration (PACDM[™])
- License Plate Recognition (SENTINEL)

SRX-Pro VMS Software

SRX-Pro DVMS (Digital Video Management System) software installs on approved commercial off-the-shelf (COTS) servers running Windows operating systems to create an advanced security solution, providing recording of the latest, state-ofthe-art IP video surveillance cameras. The powerful, yet easy-to-operate client user interface installs on approved computer models running Windows XP/Vista, and easily connects to multiple SRX-Pro servers including Hybrid servers (analog and IP cameras) and IP Camera servers from i³ technologies. Video from all i³ systems can be accessed using web browsers or client software with access to the Internet. The VMS software is also available on factory SRX-Pro IP Camera Servers.

i³ International is rapidly gaining the reputation as powerful and cost effective solutions for open platform IP video surveillance software. For over 25 years, i³ has been leading the way in providing easy-to-use, yet powerful digital video management software to over 45,000 customers worldwide. Our innovative video analytics and POS integration has given our end-user more tools to protect organization.



Features

- · Simple and cost-effective to add additional IP camera licenses
- Supports latest IP camera technologies including multi-megapixel cameras and H.264 compression
- Supports IP encoders from various manufacturers
- Digital PTZ functionality on all cameras in live and recorded mode
- Intuitive user interface requires little to no training
- Common client connects to multiple SRX-Pro servers to create scalable networks
- · Easy-to-use, powerful video and audio export features
- Multi-monitor client display. Drag and drop cameras between monitors
- Graphical search display for all cameras and recorded audio
- Easy to use multi-camera playback and export
- Definable user permissions and privileges
- Access to video with most web browsers
- Wide-screen client views
- Object Search

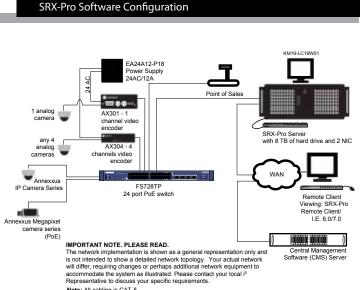
Requirements for Client Workstation

- Processor: Intel[®] Celeron[®] Processor 420 at 1.6 GHz or greater
- Graphics: 1280 x 1024 x 32 bits
- RAM: 1GB
- NIC: 10/100/1000BASE-T Ethernet
- Hard Disk: 80GB min
- Operating Systems: Microsoft® Windows 2003 Server, Microsoft® Windows XP
- & Microsoft® Windows Vista, Microsoft® Windows 7

Requirements for Client Workstation with Multiple Displays

(4 VGA monitors at up to 1920x1200 resolution)

- Processor: Quad Core Intel® i7 Processor
- Graphics: HP PT453A Display Adaptor
- RAM: 6GB
 - NIC: 10/100/1000BASE-T Ethernet
 - Hard Disk: 80GB min
 - Operating Systems: Microsoft® Windows 2003 Server, Microsoft® Windows XP & Microsoft® Windows Vista, Microsoft® Windows 7



Note: All cabling is CAT-5







Central Management Software (CMS) is a highly sophisticated system designed specifically for the security professionals. The software's easy-to-use graphic interface and highly intelligent features were designed to best serve the security professionals' hectic schedule. Imagine being able to manage with ease multiple sites across a wide geographic area. CMS capabilities include allowing users to monitor and receive the current health status of their system. It can also integrate with other important databases and relay this information remotely via the Internet back to the users.

What is CMS?

Central Management Software (CMS) is an operational application enabling users to receive or monitor the health status and sales data, and it relays this information to Video Analytics module from any i³ Servers remotely via the Internet. CMS is able to complete multiple tasks with ease, such as managing remote sites, assessing security problems, addressing key operational issues, and serving customers quickly and efficiently.

CMS functionalities:

- Supporting all features of the SRX-Pro Server, any changes will be reported to the end-user
- Supporting two-way communication and live update from CMS Client settings
- Synchronizing SRX-Pro Server and CMS Server when they are actively used by users.
- Monitoring camera status and HDD space
- Managing user passwords and access level
- Monitoring alert types (normal, caution, warning, or urgent)
- Viewing and searching all Alert records on SRX-Pro Server
- Customizing email alert verifications
- Grouping SRX-Pro Servers for different access levels
- Tighten control over access to video
- Archive selective video to off-site locations and network-attached storage
- Access various business reports (POS, Card Access and more)

The benefits and advantages are too many to list making this system one of our greener products available! Managing remote sites is now available with ease, assessing security problems in a timely manner is no longer a problem, addressing key operational issues is easier than ever, and serving customers quickly and efficiently will enable you to better manage your business. Along with greatly reducing travel time and fuel costs, these are only a few of the benefits and advantages that address a long list of obstacles now facing our current business environment.

CMS Web Online

CMS web online is a web-based client application for connecting to the i^3 CMS Server. The main purpose of CMS web online is for reporting the health status of DVRs/NVRs

CMS web portal provides:

- Multi-DVR Support
- Health Monitoring
- View Alerts for the last 24 hours

Status Provided By CMS Software:

- System start
- Low disk space
- Video loss
- Backup started
- Backup completed
- Sensor triggered
- Control activated
- HDD format requested
- HDD format requested
 HDD format complete
- User added
- User removed

- User logged out
- System shutdown
- CPU temperature
- Backup stopped
- DVR Server unreachable
- Storage Setup changed
- Recording overwrite started
- No Recording
- Configurations changed
- Partitions dropped
- User logged in

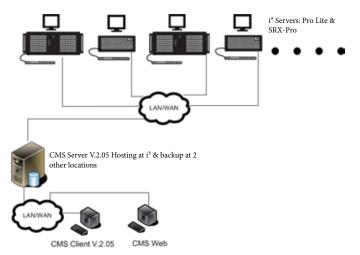


What is CMS Client?

CMS Client is a software that the customer will install on their desktop computer or notebook. The CMS client will connect to the CMS SQL server to see the status of his/her NVR/DVRs (Network Video Recorders/Digital Video Recorders) when they are connected to the CMS SQL server in the field. It allows the client to make changes.

CMS Network Structure:

CMS network structure consists of three main components: DVRs/NVRs, CMS Client, and CMS Server.



The diagram above indicates the communication flow between the DVRs/NVRs, CMS Client, and CMS Server. The security professionals can retrieve vital information from the CMS Server through a detailed e-mail report; through the CMS Client; or through the CMS Web.





Everyday, human beings recognize an extraordinary number of new and familiar objects in various shapes, sizes, colors, and textures. What's more, we have the ability to recognize objects from different vantage points (front, side, and back). In fact, with little effort, we can even recognize objects that are partially obstructed from view.

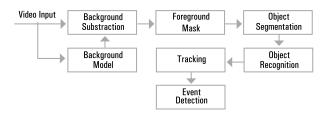
- Taking traditional surveillance technology to the next level, i³'s VideoLogix software is a biometric security solution designed for use in a variety of applications.
- VideoLogix utilizes state-of-the-art technology that allows the computer to closely mimic the recognition abilities of a human being. Its built-in Human/Object Recognition and Tracking System (HORTS) is a real-time recognition and tracking system for video surveillance that offers a range of security solutions.
- One of the primary benefits of this software is that it is smart enough to know the difference between harmless motion such as a tree swaying, and threatening motions such as a person approaching a secure area.

How The Technology Works

First, VideoLogix uses a background subtraction technique and specific filters such as shadow filters to detect blobs. Next, the features such as shape, edge, color, direction, and velocity are extracted and used to classify these blobs into the specific categories of human, vehicle, or unknown object. Once this process is complete, the classified objects are tracked under the assumption that the object will retain a similar shape, color, edge, direction and velocity between successive frames. Finally, the predefined events are detected and reported during the object tracking process.

Videologix motion detection technology works in the following five stages:

- 1. Background Subtraction: During this stage, the background is detected and removed from the image.
- 2. Shadow Detection: During this stage, shadows are detected as part of the foreground formation.
- 3. Foreground Segmentation: During this stage, objects and noises are distinguished and separated from the foreground image.
- Classification: During the classification stage, the detected objects are classified as either humans, vehicles, or unknown objects.
- 5. Object Tracking: During this stage, objects that were detected in the Classification stage are tracked to determine whether their behaviour corresponds with any configured alarm settings. For example, the object is tracked to see if it moves in a predefined direction, steps into a configured zone, or remains in the same area for extended period of time.



Advantages of Videologix

Reduces CPU and Hard Drive Space Usage

Unfortunately, many related products on the market are limited by heavy CPU usage. In order to increase CPU usage efficiency, VideoLogix uses YUV rather than RGB color space, which allows CPU usage to dramatically decrease. What's more, hard drive storage is maximized because the technology first identifies the specific objects that need to be recorded rather recording unthreatening objects or events unnecessary. This results in an extremely efficient use of hard drive storage.

Performs Well in Varying Environments

The algorithms used by VideoLogix have been proven effective in a number of different environments. Its background subtraction technique is highly effective even under environment challenges such as moving cameras, shadows, or tree branches.



Reduces Number of Faulty Alarms

False alarms account for a significant percentage of all activated alarm calls, resulting in an unnecessary waste of time and money. For this reason, being able to determine whether something significant is happening is a fundamental benefit of intelligent surveillance. VideoLogix is a highly intuitive technology that uses false detection algorithms to tell the difference between a branch swaying in the breeze, for example, and a person crossing a secured perimeter. The software actually learns from false alarms, ensuring that the same mistakes are not repeated. As a result data generated from the system is extremely reliable, boosting your business performance and reducing your overall operating costs.

Mimics and Exceeds Monitoring Capabilities of Human Security Guards

Hiring security guards to watch large amounts of video feeds can be cost-prohibitive and ineffective as guards can't always detect security threats on screen. VideoLogix provides an unmatched security solution that never suffers from the fatigue or boredom that often plagues human guards tasked with watching endless hours of video feed. By doing much of the work of human security guards, VideoLogix allows to monitor a far greater area without the cost and potential lapses associated with human guards.

Improves Search and Playback Capabilities

VideoLogix motion detection technology allows you to limit and qualify the categories of searches you wish to perform. For example, you can specify that you wish to search for a human being or automobiles only. In this way, playback becomes considerably more efficient, and your time and resources can be put to better use.





Stores which rely only on traditional retail technology – entrance-monitoring and point-of-sale systems – can track just two of these metrics: how many people entered? how many transaction were performed? That information is useful but it is also very thin: it doesn't allow for analysis of customer behaviour. If a person walks out without making a purchase, for example, is it because he could not find a salesperson to assist him?

BAM is business intelligence software that parses and analyses the output of existing store video systems and delivers the results in meaningful and easy-tounderstand charts and graphs. Managers and owners can then use that data to make business decisions that will help increase revenue and decrease cost.

Rich Data

The BAM software works by analysing the movement of individual pixels and masking out other elements of the images, thereby identifying moving objects (people). A camera near the entrance can count the number of people entering and leaving, while cameras in specific departments monitor traffic flow in those areas.



Intelligent Graphing & Traffic Distribution

Return On Investment

These days, almost all retail stores employ video systems and almost all of that video data is underutilized. Studies indicate that – at best – only one per cent of video content is ever viewed or analyzed. There is often value in that one per cent if, for example, it allows a thief to be identified, but companies could benefit from greater use of this resource.

Clear & measurable ROI across the entire retail organization

- Financial Results
- Margin improvement
- Increased conversion rate
- Improved loss prevention efficiency



- Marketing
 - Measure ROI on advertising
 - Validate new, in-store concepts



- Merchandising
 Data on specific brands
- Gain insight to make better decisions



Personnel & staffing
 Enable more remote activites
 Improve staffing effectiveness

Why BAM?

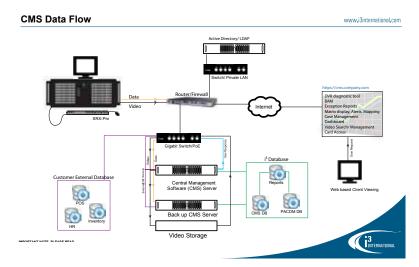
i³ International's Video Surveillance Solutions brings forth only the best in stable systems that go beyond your everyday business needs. Our units are equipped to provide high quality video streams which can be conveniently viewed live and remotely for purposes of deterring vandalism, theft prevention, and to ensure customer and employee safety.

- Prevent shrinkage
- Achieve consistent services & sales
- Encourages productivity among employees
- Attain weekly, monthly, and yearly goals set out by corporation
- Facilitate customer centricity
- Understand customer behavior at a micro level

Implementing BAM

BAM works with existing analog or IP cameras, maximizing the investment stores have made in these systems. The cameras are linked to a computer server which stores the output in a digital format and makes it accessible to any authorized user, located anywhere. This means managers and owners can monitor performance from the retail floor or from a hotel room while travelling on business.

BAM is being used by North America's largest retail chains but it is equally useful for smaller one-location companies. A completely hosted solution starts at approximately 5 to 10 dollars per day.



BAM Network Configuration Important note. Please read

The network implementation is shown as a general representation only and is not intended to show a detailed network topology. your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. please contact your local i³ representative to discuss your specific requirements.



VIDEO B.A.M



POS Integration (PACDM[™])

For most people, video security is about capturing incidences of theft on camera. i³'s state-of-the art CCTV cameras provide the extra pair of eyes you need to monitor all aspects of your retail business. While visible cameras deter theft by the mere fact of their presence, hidden cameras let you monitor activities without making your presence known. But a DVMS system equipped with PACDM™ software is more than just a surveillance tool – it is a retail operations solution.

Designed for both small and large-scale retail applications, our PACDM[™] software takes traditional video surveillance to the next level. This new breed of analytical software easily integrates with your;

- POS systems
- ATM machines
- Card Access systems

PACDM[™] also acts as a data manager for Videologix[™] and our Sentinel[™] Licence Plate Recognition software, additionally it allows you to collect critical data about your operation 24 hours a day, every day of the year.



PACDM Text overlay

Reduce External and Internal Threats to Your Business premises

PACDM[™] sends out an alert to the people, who need to know. If one of your cash registers is open for an extended period of time, for example, or an unauthorized vehicle is parked in one of your monitored areas, PACDM[™] instantly notifies you of the potential issue. This ensures that you no longer have to rely on second or third party information to stay up-to-date. As an intelligent monitoring tool, PACDM[™] is a critical part of staying informed of your day-to-day business operations.

In retail, there is nothing more vulnerable than your cash register, and inventory shrinkage isn't always the result of an outside threat. Rather, it is due to internal theft from "sweethearting" – employees who ring in unauthorized discounts or aid in shoplifting.

Monitor Multiple Store Locations Remotely [using Web] PACDM™

Imagine being able to view all of your store operations at one time, from virtually any location. PACDM[™]'s Remote Viewing Technology coupled with its latest add-on, Web PACDM[™], allows you to do just that. Web PACDM[™] lets you view and access data from multiple video and data sources. While it features all the standard benefits of our DVMS-based application, it uses a unique web-based server database to store critical data and transactional information. Because it is a web-based solution, you are no longer restricted to client server access. All you need is remote access and the Internet, and you can access information on your business operations from absolutely anywhere in the world.

Web PACDM[™] allows you to effectively

- Monitor multiple facilities remotely
- Access critical data from a single or multiple DVMS
- View single or multiple cameras from various facilities
- Web based PACDM allows you to generate customizable software graphs and reports, even while watching live video surveillance feeds.

When travelling on business, you'll have real-time data at your fingertips. The ability to configure and administer your system remotely saves you valuable time and money. PACDM[™] affords you the luxury of being where you want to be and the security of knowing you can monitor your business just as effectively.

Pinpoint Areas for Process Improvement

Remote monitoring of multiple store operations can be regarded as a security matter, but it can also be viewed as an issue of productivity.

There are many ways in which PACDM^m running on an i³ DVR server with VideoLogix^m can pinpoint areas of your business for efficiency improvement. For example:

- Monitor customer wait times
- Examine high and low traffic periods and zones
- Analyze staffing requirements, and
- Monitor floor inventory

By performing custom search queries, PACDM[™] conducts thorough trend analysis to improve process flow. Use its powerful features to identify high and low traffic times, correct overstaffing and understaffing issues, and train your staff to provide superior customer service.

Eliminate Hours [of Tedious Video Review]

With PACDM[™] running on an i³ DVR server you can instantly pinpoint the exact location of critical events and inconsistencies in your data. This capability makes PACDM[™] one of the most valuable timesaving tools on the market. Now you can monitor your staff and transactions without having to sift through tedious hours of recorded video. Put quite simply, PACDM[™] eliminates the need to rely on others for the information you need to make informed business decisions.

Rely on Perfect Digital [Video Quality]

At any time, you may be called upon to provide proof of who sold what, to whom, at what time, and for what price. You may also be required to address liability claims and customer complaints. To meet the burden of proof, your evidence must stand beyond a reasonable doubt. Irrefutable proof leaves no room for blurred and distorted images. In addition, date and time stamping must be accurate down to the millisecond. PACDM[™] delivers all of these criteria, producing evidential quality video you can rely on every time.

PACDM[™] identifies and eliminates loss due to sweethearting under-rings and fraud

- \cdot Captures transactional data
- Provides state-of-the art text overlay technology
- Performs exception-based reporting
- Reduces inventory and cash shrinkage
- Eliminates sweethearting, under-rings, frauds and no-sales
- Manages your risk potential through comprehensive risk analysis
- PACDM[™] also acts as a data manager for VideoLogix[™] and our Sentinel[™] Licence Plate Recognition software

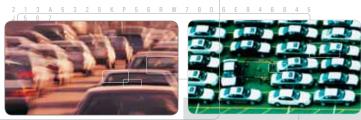
PACDM



The i³ Sentinel License Plate Recognition (LPR) is a surveillance method that uses optical character recognition (OCR) on images to read licence plates on vehicles. Using CCTV cameras and a special recognition algorithm, LPR software captures and identifies licence plate text in real time and with minimal latency.

The growing list of applications & environments for our Sentinel license plate recognition software includes:

Parking management, Law Enforcement, Border control, Tollbooth monitoring, Access control, Traffic analysis, Marinas, Theme Parks, Inventory Control, Construction Sites, Hotels, Airports, Shipping/ Container Areas.



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How the Technology Works

Sentinel is a highly specialized, image-processing software allows the computer to read photographs of vehicle licence plates taken by video surveillance cameras. The cameras focus on the vehicle plates and, in a matter of seconds, the software extracts, reads, and records the series of numbers and letters imprinted on the plate.

Computer Vision Technology (CVT) is a new and rapidly growing field. While the process of converting digital images of vehicle plates into electronic text is extremely complex, it can be summarized in a few steps. First, CCTV cameras capture images of the vehicle.

From that point, the software begins the following processes:

- Plate Localization
- Plate Extraction

- Character Transformation

- Character Segmentation
- Character Interpretation

Identifies precise location of licence plate Extracts image of plate from background Transforms license plate into standardized format Separates individual characters from each other Invokes special algorithm to "read" entire plate



Petroleum and C-Store Industry Applications

With the rising cost of gasoline, incidents of drive-offs are escalating at self-service stations across North America. More than a costly annoyance, they've become a potentially dangerous problem, so that simply training cashiers to get license plate numbers as "best they can" is no longer a safe or effective option. When customers drive away without paying, the owner loses not only the cost price

of the gasoline, but also the profit that the sale would have generated. What's more, many gas stations are also convenience stores that sell food, cigarettes, beverages, lottery tickets, motor oil, and auto parts, among other merchandise.

Gas stations are built for the ease and convenience of customers. Therefore, proposed solutions like pre-pay policies are ineffective because they take away the convenience of being able to browse and shop in gas station stores, greatly reducing owner profits. To offset the negative side-effect of pre-pay policies, the petroleum and C-store industry has begun to take advantage of license plate recognition technology.

Sentinel LPR software offers the tremendous benefit of a 'time window' in the review of drive-offs. Automated time stamping reduces the number of hours required to review suspected losses and improves the system's capacity to gather accurate, reliable information, which can be used as evidence by local law enforcement.

Benefits of a Software-Based Solution

Unlike many other LPR solutions on the market, i³'s LPR technology is software, rather than camera-based. In addition to capturing and identifying licence plates, the software technology offers superior capabilities of storage and retrieval. In other words, all of that valuable license plate information can be stored on a searchable database for later use and analysis. The software runs on approved PC hardware, is extremely easy to use it is reliable, and can be linked to other applications or databases.

Summary of Key Features

- Software-based system for trouble-free storage and quick retrieval
- High recognition confidence
- High recognition speed
- Recognizes all vehicle types in less than one second
- Marks entrance and exit time of vehicles
- Adjustable to full or partial plate recognition
- Activates alarm when unauthorized plates are detected
- User-friendly -- system requires minimal setup



Why Use an LPR System from i³ International?

To find and prosecute motorists who drive away without paying, you need a clear, unobstructed photo of their license plate. Whenever a vehicle enters into a facility, i³'s powerful software captures plate images at a rate of up to 30 frames per second before isolating the best picture. It then uses optical character recognition to extract the alphanumeric characters of the plate and places them into a searchable database. Once exception is incorporated into the database, the system can send out an alert whenever unauthorized plates enter the facility.



INTEGRATED DVMS Solutions



Integrated DVMS Solutions

i³ International uses a unified video management system that enables customers to use both analog and IP cameras and provides a single solution to manage recorded video. i³'s single interface for analog and IP video management provides a flexible IP migration path for the ten of thousands of i³ International customers. End users are able to maximize their existing investments in analog technology while adding megapixel IP-based video to there existing system. Rich versatile and intelligent features and an intuitive interface make the i³ video management a system of choice.

- Ax360 Digital Video Recorders
- Compact Digital Video Recorders
- RackMount Digital Video Recorders
- Embedded DVR Systems



Ax360 Digital Video Recorders

FEATURES

- Cost effective video surveillance solution
- 16 Channel of video upgradeable up to 48
- 2 internal hard drive with external stackable storage available
- Rack mountable or wall mountable
- Embedded OS
- Enterprise System Management
- Video Analytics
- H.264, MPEG4, MJPEG
- Support Smartphones
- POS Exception Reporting
- OnVIF Compliant



Front view



Back view

APPLICATION & BENEFITS

The word "annex" in Latin means "to take over, replace". i^a Annexxus Series of video appliance recorders was designed just for that purpose. Whether you are looking to replace an aging DVR or install a new video surveillance system, the Annexxus series will be the right choice for your application and budget.

The Ax360 is an affordable, and highly energy-efficient, network video surveillance solution. This smart recorder boasts unparalleled stability, security and ease of use in a 2U chassis, which can be rack- or wall mounted. In addition to 16 analog cameras per server, each system can also seamlessly incorporate up to 32 IP channels to create a 48-channel system. Allowing for up to 2 internal storage drives and an additional external storage bay, the Ax360 was designed to fit most small or large application. Combined with i3 Video Analytics and data systems integration, Ax360 has a complete feature set you would need for today and tomorrow.



External extended storage array





Manufactured & Assembled in Canada



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www.i3international.com 1.866.840.0004

U.S.A. 440 Lawrence Bell Drive, Suite 16, Williamsville. NY, 14221

Canada 780 Birchmount Road, Unit 16, Scarborough. ON, M1K 5H4

PART NUMBER	AX360PRO	AX360L	AX360i
SOFTWARE CONFIGURATION			
Number of VideoLogix™ channels	Up to 16	Up to 16	Up to 16
Recording modes (Time/Date - with time zone ref., sensor, motion detection, or continuous)"	Yes	Yes	Yes
Number of VideoLogix [™] channels recording (VR)	16 (Optional)	16 (Optional)	16 (Optional)
Number of Vision Count channels	4 (Optional)	4 (Optional)	4 (Optional)
Screen display	1, 4, 6, 9, 10, 13, 16, 25, 36 and up to 64	1, 4, 6, 9, 10, 13, 16, 25, 36 and up to 64	1, 4, 6, 9, 10, 13, 16, 25, 36 and up to 64
Pre-alarm/Post-alarm recording	Yes	Yes	Yes
Emergency frame rate recording	Yes	Yes	Yes
Backup video format	i3 Encrypted, AVI, BMP, or JPEG	i3 Encrypted, AVI, BMP, or JPEG	i3 Encrypted, AVI, BMP, or JPEG
HARDWARE CONFIGURATION			
Operating system OS	1TB Windows 7 Embedded	1TB Windows XP Embedded	1TB Windows 7 Embedded
Max. number of additional HDD	2 Internal, 8 External (Optional)	2 Internal, 8 External (Optional)	2 Internal, 8 External (Optional)
Operating devices	Keyboard, Optical Mouse (Optional)	Keyboard, Optical Mouse (Optional)	Keyboard, Optical Mouse (Optional)
CPU, graphics, RAM	Intel Processor, PCI Express, 4 GB RAM	Intel Processor, PCI Express, 2 GB RAM	Intel Processor, PCI Express, 4 GB RAM
RESOLUTIONS AND COMPRESSION			
Type of compression	16 Channel Analog = H.264; IP & IP Mega Pixel = MJPEG, MPEG4, H.264	16 Channel Analog = MJPEG; IP & IP Mega Pixel = MJPEG, MPEG4, H.264	IP & IP Mega Pixel = MJPEG, MPEG4, H.264
Recording resolutions on analog	NTSC: 320 x 240, 720 x 240, 720 x 480; PAL: 320 x 288, 720 x 288, 720 x 576	NTSC: 320 x 240, 720 x 240, 720 x 480; PAL: 320 x 288, 720 x 288, 720 x 576	N/A
Display & record speed on analog (NTSC/ PAL)	480/400 fps @ 1 CIF	240/200 fps @ 1 CIF	N/A
Recording resolutions on IP	320 x 240, 720 x 240, 720 x 480, 1280 x 1024(1.3M), 1600 x 1200(2M), 1920 x 1200(2.2M), 2040 x 1530(3.0M), 2560 x 1920(5.0M)	320 x 240, 720 x 240, 720 x 480, 1280 x 1024(1.3M), 1600 x 1200(2M), 1920 x 1200(2.2M), 2040 x 1530(3.0M), 2560 x 1920(5.0M)	320 x 240, 720 x 240, 720 x 480, 1280 x 1024(1.3M), 1600 x 1200(2M), 1920 x 1200(2.2M), 2040 x 1530(3.0M), 2560 x 1920(5.0M)
Transmission speed	Depend on network bandwidth	Depend on network bandwidth	Depend on network bandwidth
CLIENT APPLICATIONS			
Remote viewing	IE 6.0, Proprietary Software, & SRX-Pro Player	IE 6.0, Proprietary Software, & SRX-Pro Player	IE 6.0, Proprietary Software, & SRX-Pro Player
Number of PACDM™ channels Serial/TCP/IP			
(upgrade only)	8/16	8/16	8/16
CMS (Central Management Sofware)	Yes	Yes	Yes
CONNECTIVITY			
Maximum number of analog video inputs	16	16	N/A
IP and Megapixel cameras supported	32	16	up to 48
Analog video loop out (75 Ohm, dip switch controlled)	16 (Optional)	16 (Optional)	N/A
VGA Resolution requirement	1024 x 768	1024 x 768	1024 x 768
Number of spot monitors	1xRCA - 1xVGA	1xRCA	N/A
Number of audio inputs	8	N/A	N/A
Audio connector type	DB9 to RCA	N/A	N/A
Number sensor in/out (12VDC & 500mA Terminal Blocks)	4/4 TCP/IP (Optional)	2/2 [4/4 TCP/IP (Optional)]	2/2 [4/4 TCP/IP (Optional)]
Number of RS485 ports	1 TCP/IP (Optional)	1 [1 TCP/IP (Optional)]	1 [1 TCP/IP (Optional)]
Connectivity (LAN/WAN)	1 Gb/sec (Second NIC 1Gb/sec Optional)	1 Gb/sec (Second NIC 1Gb/sec Optional)	1 Gb/sec (Second NIC 1Gb/sec Optional)
eSATA	eSATA (Optional)	eSATA (Optional)	eSATA (Optional)
PHYSICAL ENVIRONMENT AND QUALIFICATIONS			
Power	115-230 VAC, 50-60 Hz, 250 W (auto switch)	115-230 VAC, 50-60 Hz, 250 W (auto switch)	115-230 VAC, 50-60 Hz, 250 W (auto switch)
Operating temperature & relative humidity	20° - 25°C or 68° - 77°F $<$ 80%, non-condensing	20° - 25°C or 68° - 77°F $<$ $80\%,$ non-condensing	20° - 25°C or 68° - 77°F $<$ 80%, non-condensin
Type of chassis	19" 2U Rackmount	19" 2U Rackmount	19" 2U Rackmount
Physical dimensions (LxWxH)	15½" x 16" x 3½" (394 mm x 406 mm x 88 mm)	15½" x 16" x 3½" (394 mm x 406 mm x 88 mm)	15½" x 16" x 3½" (394 mm x 406 mm x 88 mm
Certification	CE/ FCC/ UL/ ULc / TUV	CE/ FCC/ UL/ ULc / TUV	CE/ FCC/ UL/ ULc / TUV
WARRANTY	3 yr parts, 1 yr labour	3 yr parts, 1 yr labour	3 yr parts, 1 yr labour



Compact Digital Video Recorders



SRX-PRO Lite PL12010/16

FEATURES

- Compact design
- 10 or 16 camera inputs
- Slim DVD-RW
- 10-16 loop-out video outputs optional
- 2 sensor inputs and 2 control outputs
- Embedded OS
- CMS Support
- Lockable and Wall mountable case

APPLICATION & BENEFITS

The SRX-Pro Lite is an economical 10/16-channel, 120/100 NTSC/ PAL fps recording system that is ideal for remote applications with a large number of installations requiring remote management and event driven recording.

Supporting an Embedded OS, SRX-Pro Lite is extremely secure, reliable and economical

All SRX-Pro systems are designed to record, search and transmit video, and data transactions while providing event evaluation. As well as a full local graphical user interface, the SRX-Pro Lite makes viewing recorded data and backup to a USB device or the internal DVD-RW fast and easy. The lockable front panel provides easy access to the standard DVD-RW drive, USB 2.0 ports and hard drives.

The SRX-Pro family of products offers seamless remote operation with either i³ Remote Client Software or Internet Explorer 6.0 or higher.



SRX-Pro Hybrid 48020C

FEATURES

- Compact design
- Recording rates up to 480/400 fps (NTSC/PAL)
- 16 analog + 4 IP cameras
- Slim DVD-RW
- 16 loop-out video outputs
- 2 sensor inputs and 2 control outputs
- Embedded OS
- CMS Support
- Lockable and Wall mountable case
- Video analytics support, up to 16 video channels
- · Removable hard drive case
- Multiplexed or spot outputs
- Dual 10/100/1000 gigabit network standard

APPLICATION & BENEFITS

The SRX-Pro Compact series is an alternative to the standard rackmount system. Supporting analog and IP cameras, the hybrid SRX-Pro Compact is ideal for transitioning to an IP platform while continuing to utilize traditional analog video.

The SRX-Pro hardware enhancements ensure efficient multi-tasking of simultaneous operations including network cameras, megapixel cameras, point-of-sale, video analytics and more.

The lockable front panel provides easy access to the standard DVD-RW drive, dual USB port easy access to hard drive replacement.

It is a solution ideal for educational, municipal and corporate campus environments, large retail with point-of-sale integration, and hotels or resorts.

The SRX-Pro family of products family offers seamless remote operation with either i³ Remote Client Software or Internet Explorer 6.0 or higher.



SRX-Pro IP IPPOOC

FEATURES

- Compact design
- Up to 32 ch of IP recording
- Slim DVD-RW
- 2 sensor inputs and 2 control outputs
- Embedded OS
- CMS Support
- Lockable and Wall mountable case
- Video analytics support, up to 16 video channels
- Removable hard drive case
- Dual 10/100/1000 gigabit network standard

APPLICATION & BENEFITS

The SRX-Pro IPPOOC Server is a system that provides recording of today's latest IP video surveillance cameras on a space-saving secured chassis. The powerful, yet easy-to-operate client user interface installs on any standard computer running Windows OS and can connect to multiple SRX-Pro Hybrid systems (analog and IP cameras) and IP Camera Servers creating a virtually unlimited amount of cameras and protection. Video from all SRX-Pro systems can also be accessed with web browsers and mobile devices with access to the Internet. Each Desktop IP Camera NVR server can be easily expanded.

i³ International is rapidly gaining the reputation for its powerful and cost effective solutions for an open-platform IP video surveillance software. For over 25 years, i³ has been leading the way in providing easy-to-use, yet powerful digital video management software (DVMS) to over 50,000 customers worldwide. Our innovative video analytics and POS integration has given our end-users more tools to protect their organization.

i³ products have a wide array of impressive features to cover all your surveillance needs. Whether your installation is just a few cameras or several thousands; discover why i³ International is the best option for your security needs for today and tomorrow.





Manufactured & Assembled in Canada



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PART NUMBER	SRX-PRO LITE PL12010/PL12016	SRX-PRO HYBRID 48020C	SRX-PRO IPPOOC
SOFTWARE CONFIGURATION			
Number of analog channels	10/16	20	32
Number of VideoLogix channels	N/A	Up to 16	Up to 16
Number of VisionCount channels	N/A	Up to 16	Up to 16
		·	0010
Other IP and megapixel cameras supported	Ke	fer to Link http://i3international.com/en/partners.html	
Number of License Plate Recognition channels	N/A	2 LPR (Depending on Province	/ State & Type of Camera)
Recording modes Video Analytic (VAR)	N/A	Optional 1-16 channels (Mus	st upgrade CPU & RAM)
Recording modes (Time/Date - with time zone ref., sensor, motion detection, or continuous)		Yes	
Screen display	1, 4, 6, 9, 10, 13, or 16	1, 4, 6, 9, 10, 13	3, 16, 25, 32
Pre-alarm/Post-alarm recording		Yes	
Emergency frame rate recording		Yes	
Backup video format		i ³ Encrypted, AVI, BMP, or JPEG	
HARDWARE CONFIGURATION			
Operating system		XP and Win 7 Embedded	
Standard SATA storage size		1HD w/OS	
Max. number of additional HDD	2		
RAID5* storage w/ HW upgrade	N/A Yes		
Operating devices (CPU, graphics, RAM)	Intel Processor, PCI Express, 1GB RAM DDR 2 or 3	Intel Processor, PCI Express	
Analog video loop out (75 Ohm, dip switch controlled)	10/16	16 1024 x 768	N/A
VGA resolution requirement Number of spot monitors	1	2	N/A
Number of audio inputs (DB9 to RCA)	N/A	8	N/A N/A
Number of addie inputs (DDS to fick)			
Blocks)	2/2	2/2	2/2
Number of RS485 ports (PTZ)	1	1	1
Connectivity (LAN/WAN)	1Gb/sec	2 x 1G	b/sec
RESOLUTIONS AND COMPRESSION			
Type of compression	MJPEG	MJPEG, MPE	G4, H.264
Analog display speed NTSC/PAL	up to 120/100fps	up to 480/400fps	N/A
IP camera display speed (depending on screen division)	N/A	1 = up to 30 fps (depending on bandwidth) or 4, 6, 9	, 10, 13, 16, 25, 36, 64 = 1 ~ 2 fps/ per camera
CLIENT APPLICATIONS			
Remote viewing		IE 6.0, Proprietary Software, & SRX-Pro Player	
Number of PACDM™ channels Serial/TCP/IP	Optional Max. 4	Optional 8 lanes serial	or 16 lanes TC/IP
CMS (Central Monitoring Software)		Yes	
PHYSICAL ENVIRONMENT AND QUALIFICATIONS			
Type of chassis	Compact Wallmount Steel Alloy		
Physical dimensions (LxWxH)	17.125"x13.25"x5.75" (434.98mmx336.55mmx146.05mm)		
Certification	UL/ULc/TUV, Fcc, CE		
Power	115-230 VAC, 50-60 Hz, 300 W (auto switch)		
Operating temperature & relative humidity	5° - 40° C or 41° - 104° F / < 90%, non-condensing		
ADDITIONAL OPTIONS			
Wall mount bracket	Optional		
Expansion wire management box	1	Optional	
WARRANTY	1 yr parts & 1 yr labour	3 yr parts & 1 yr labour	3 yr parts & 1 yr labour



Rackmount Digital Video Recorders



SRX-Pro Hybrid 48032R

FEATURES

- Accepts 16 analog and 16 IP cameras
- JBOD storage and optional RAID5* configuration
- Analytics support, up to 16 video channels
- Global recording rate of up to 480/400fps (NTSC/PAL)
- VGA and DVI-D ports for local live viewing
- Available with 16 analog loop-out & VGA video output
- Removable storage 1 to 8 HDD
- 2 sensor inputs and 2 control outputs
- Optional multiplexed or switched spot outputs
- Up to 8 channels of audio
- Dual 10/100/1000 gigabit network standard
- Embedded OS
- CMS Support
- Optional TCP/IP 4 sensors input, 4 control output

APPLICATION & BENEFITS

Global market adoption of IP and megapixel camera technologies drives the need for new surveillance capabilities offered by the SRX-Pro Hybrid 48032R. Supporting both analog and IP cameras, SRX-Pro is ideal for systems requiring transition to IP to maximize the cost-savings benefits associated with IP networking. Additional benefits are realized for systems adding new capabilities such as unparalleled image clarity using megapixel cameras.

The SRX-Pro hardware enhancements ensure efficient multi-tasking of simultaneous operations including network cameras, megapixel cameras, point-of-sale, video analytics and more. Dual video ports have also been added.

The front panel provides easy access to the standard DVD-RW drive, dual USB ports and up to eight field-replaceable hard drives. Applications include educational, municipal and corporate campus environments, large retail with IDM (Integrated Data Manager) point-of-sale integration, and hotels or resorts. When the need is for a hybrid digital recording solution, the answer is the SRX-Pro DVMS.

*PERFORMANCE LIMITATION WILL APPLY







SRX-Pro Hybrid 96032R

FEATURES

- Accepts 32 analog (OptionI 28 analog + 4IP)
- JBOD storage and optional RAID5* configuration
- Analytics support, up to 16 video channels
- Global recording rate for up to 960/800fps (NTSC/PAL)
- · VGA and DVI-D ports for local live viewing
- Available with 32 analog loop-out & 16/16 VGA video output Removable storage 1 to 8 HDD
- 2 sensor inputs and 2 control outputs
- Optional multiplexed or switched spot outputs
- Up to 8 channels of audio
- Dual 10/100/1000 gigabit network standard
- Embedded OS
- CMS Support

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- Optional TCP/IP 4 sensors input, 4 control output

APPLICATION & BENEFITS

Global market adoption of IP and megapixel camera technologies drives the need for new surveillance capabilities offered by the SRX-Pro Hybrid 96032R. Supporting both analog and IP cameras, SRX-Pro is ideal for systems requiring transition to IP to maximize the costsavings benefits associated with IP networking. Additional benefits are realized for systems adding new capabilities such as unparalleled image clarity using megapixel cameras.

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SRX-Pro IP IPPOOR

FEATURES

- IP recording with standard JBOD storage and optional **RAID5*** configuration
- Analytics support, up to 16 video channels - DVD-RW
- VGA and DVI-D ports for local live viewing
- 2 sensor inputs and 2 control outputs
- Removable storage, 1 to 8 HDD
- Dual 10/100/1000 gigabit network standard - Embedded OS
- CMS Support
- Optional TCP/IP 4 sensors input, 4 conatct output

APPLICATION & BENEFITS

The SRX-Pro IPPOOR Servers are designed to meet the performance and storage requirements of enterprise video surveillance deployments. Intel[®] processors, multi-NICs, and hardware with a RAID5* option are available. Front-accessible swappable hard drive storage ensures always-on recording, and provides for future storage expandability. Enterprise-class hard drives ensure maximum reliability and speed.

All i³ Servers come with the operating system and the SRX Pro application pre-configured on the drive, for plug-and-play operation. Servers are available with up to 8-bay of drive storage. Additional storage can be achieved with external storage devices.

i³ International is rapidly gaining the reputation for its powerful and cost effective solutions for an open platform IP video surveillance software. For over 25 years, i³ has been leading the way in providing easy-to-use, yet powerful digital video management software (DVMS) to over 50,000 customers worldwide. Our innovative video analytics and POS integration has given our end-users more tools to protect their organization.



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PART NUMBER	SRX-PRO HYBRID 48032R	SRX-PRO HYBRID 96032R	SRX-PRO IP IPPOOR
SOFTWARE CONFIGURATION			
Number of analog channels	16	32	N/A
Number of VideoLogix channels	Up to 16	Up to 16	Up to 16
Number of VisionCount channels	Up to 16	Up to 16	Up to 16
	•		op to 10
Other IP and megapixel cameras supported		er to Link http://i3international.com/en/partners.html	
Number of License Plate Recognition channels		nal 2 (Depending on Province/ State & Type of Camera)	
Recording modes video analytic (VAR)	Optio	nal 1-16 channels (CPU & Memory upgrade is a MUST)	
Recording modes (Time/Date - with time zone ref., sensor, motion detection, or continuous)		Yes	
Screen display		1, 4, 6, 9, 10, 13, 16, 25, 36, and up to 64	
Pre-alarm/Post-alarm recording		Yes	
Emergency frame rate recording		Yes	
Backup video format		i ³ Encrypted, AVI, BMP, or JPEG	
HARDWARE CONFIGURATION			
Operating system	XP a	and Win 7 Embedded, Optional Win 2008 Server on IP	
Standard SATA storage size	1HD	w/OS for NON RAID5* and 80GB for Optional RAID5*	
Max. number of additional HDD		8	
Operating devices (CPU, graphics, RAM)	In	tel Processor, PCI Express, 4 GB RAM DDR 2 or 3	
Analog video loop out (75 Ohm, dip switch controlled)	16	16/32	N/A
VGA resolution requirement		1024 x 768	
Number of spot monitors	2	4	N/A
Number of audio inputs (DB9 to RCA)		8	
Number sensor in/out (12VDC & 500mATerminal	2/2	2/2	2/2
Blocks) Number of RS485 ports (PTZ)	1	1	1
Connectivity (LAN/WAN)	I	2 X 1Gb/sec	I
RESOLUTIONS AND COMPRESSION		277100/300	
Type of compression		MJPEG, MPEG4 or H.264	
Analog display speed NTSC/PAL	up to 480/400	up to 960/800	N/A
IP camera display speed (depending on screen division)	1 = up to 30 fps (depending on bandwidth) or 4, 6, 9, 10, 13, 16, 25, 36, 64 = 1 ~ 2 fps/ per camera		
CLIENT APPLICATIONS			
Remote viewing		IE 6.0, Proprietary Software, & SRX-Pro Player	
Number of PACDM™ channels Serial/TCP/IP	Optional 8 lanes serial or 16 lanes TC/IP		
CMS (Central Monitoring Software)	Yes		
PHYSICAL ENVIRONMENT AND QUALIFICATIONS			
Type of chassis		Rackmount Aluminum	
Physical dimensions (LxWxH)	22%" x 17" x 7½" (577.9 mm x 431.8 mm x 190.5 mm)		
Certification	UL/ULc/TUV, Fcc, CE		
Power	115-230 VAC, 50-60 Hz, 550 W (auto switch)		
Operating temperature & relative humidity	5° - 40° C or 41° - 104° F/ < 90%, non-condensing		
WARRANTY	3 yr parts, 1 yr labour		



Veo 48016 Embedded DVM Systems

FEATURES

- 16 channel digital video recorder
- H.264 compression
- Up to 480 images per second (IPS) recording rate
- Support for continuous, motion, alarm, and scheduled recording
- Pre- and post-alarm recording
- Search by calendar & date/time (graphic time bar) or sensor & motion event per channel
- Real frame playback never skips any frames even while in fast forward & fast rewind
- Audio playback will synchronize with video
- Video viewing through web software and Smartphone



Front view



Back view

APPLICATION & BENEFITS

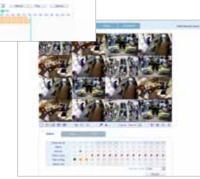
The Veo 48016 is an affordable entry-level digital surveillance video recorder running on an embedded operating system. Built with flexibility and adaptability in mind, the system accepts up to 16 camera inputs enabling fast frame rate recording, powerful playback, searching, and exporting capabilities.

Video can be viewed remotely or on a local area network with audio. H.264 video compression improves image viewing remotely and enables viewing multiple sites. Managers can choose between a traditional composite monitor, VGA, web software and even a Smartphone browser to view live video. Local users can back up video via CD/DVD, USB drive or even a remote file server.

The front panel of the system uses buttons allowing simple navigation through Veo's menus. A built-in S.M.A.R.T. alarm indicator will auto-detect and monitor your hard drive's condition for added peace of mind. Live video and playback may be navigated with a simple click of a mouse. For businesses with multiple sites, a configuration setup can be saved to a USB drive and transferred to various systems in the field. A powerful replacement for the traditional VCR system, the Veo will revolutionize the way you secure your business assets.



Web Search Mode



Web Live Mode





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PART NUMBER		VE048016	
SPECIFICATION			
Operating system		LINUX	
Video compression		H.264 Codec (DSP Based)	
Live display speed		480(NTSC)/400(PAL) fps	
Recording Speed		480/400 fps @ CIF, 240/200 fps @ 2CIF, 120/100 fps @ D1	
Video input		16CH(BNC)	
Video output	DVI monitor	1280X1024	
	Sub monitor	1 Composite (BNC)	
Screen division	Live	1,4,6,8,9,16	
	Playback	1,4,9,16	
Audio In/Out	1 ld j bdolk	4 Line in(RCA)/ 1 Line out(RCA), CODEC:G.711	
Alarm In/Out		4 In/1 relay	
		Up to 2 HDD (SATA) + 1 DVD	
Storage			
Archive		USB Device, CD/DVD-RW & Network	
USB port		2 (front)	
PTZ & keyboard control		RS-485	
System control		USB mouse, Front button, Remote controller & Keyboard controller	
Network		LAN, DHCP, Dynamic IP, DDNS	
Power		12V Adaptor, 5A, 100 ~ 220VAC, 50 ~ 60Hz	
Operating temperature		$0^{\circ}C \sim 4^{\circ}C$	
Humidity		10 ~ 90% NC	
Remote SW		Web viewer, Smart phone	
Dimensions		W: 35.56cm x H: 6.35cm x D: 35.56cm	
Certification		CE, FCC, Onfiv	
LIVE DISPLAY			
Digital Zoom		Up to 3X	
SEARCH			
Calendar, Event search		Search by time, Search by event	
PLAYBACK			
Playback speed		Variable Playback(Max.64x)	
Instant playback		Instant playback mode for quick review	
SYSTEM			
Video covert		Video will be hidden on Live & Playback mode, but will be recorded	
Time synchronization		Auto Time Sync. by NTP server	
User authority		Each user group has a different function	
System reliability		Watch-Dog, Auto-Recovery after power failure	
Firmware upgrade		Via USB device	
Configuration export & import		Setting configuration copy & paste to other DVR via USB	
S.M.A.R.T. Alarm		Auto-Detect & monitoring the HDD's problem	
RECORD			
Recording quality control		5 Levels (Low/Standard/High/Highest/Super)	
Recording schedule		By hour, by day, by recording mode, By alarm, By Ch	
Panic record		Overrides all other recording settings to provide the best quality recording	
Pre-recording		Max. 5 seconds	
ARCHIVE			
Archive device		CD/DVD/USB device	
File format		AVI file	
NETWORK			
Network support type			
Net client & web Server Port		Programmable by user	
E-mail notification		E-mails to specific users to notify events	
System configuration		Full setup configuration over network	
Bandwidth limit		Bandwidth control by user	
Two-Way audio		Communication with Web viewer	
WARRANTY		3 year parts, 1 year labor	

IP VIDEO Solutions



IP Video Solutions

A video encoder digitizes analog video signals and sends digital images directly over an IP network, such as a LAN, intranet or Internet. It essentially turns an analog video camera into a network video camera and enables users to view live images using a Web browser or a remote video client on any local or remote computer on a network. i³ video encoders make it possible to move towards a network-based video system without having to discard existing analog equipment. Users can connect to any analog camera, digitize the images and send them over an IP network, using analog cameras to take advantage of many of the same benefits provided by network cameras.

- Annexxus IP Encoders
- Megapixel Network Dome Cameras
- Megapixel Network Mini Dome Cameras
- Megapixel Network Infrared Cameras
- Megapixel Network Box Cameras



Annexxus IP Encoder Ax316

FEATURES

- 16 video inputs
- 4 audio inputs
- 1 audio output
- Up to 480/400 ips NTSC/PAL
- 24VAC with removable fuse
- Internal SATA Storage for redundancy or on site recording
- Bandwidth-efficient dual streaming
- Intelligent video analytics and camera tampering detection
- Smart LED front panel

APPLICATION & BENEFITS

With the Annexxus series of encoders, i³ International is the first security company to use an internal SATA drive in an IP video encoder. This innovative idea is a very cost effective way of providing redundancy and is an effective solution for data back-up in a NVR environment. By using the Ax316 a conventional Network Video Recorder (NVR) method of redundancy servers is no longer needed, thereby reducing substantial cost to the system. With video being locally stored on the Ax316, storage loss can be avoided when the network is down. Simultaneously the Ax316 encoder can be used as an IP Network video appliance for transmitting video over the LAN to i³ Digital Video Management Software (DVMS) software.

The Ax316 storage capabilities, enable it to function as a conventional DVR as well as a high-quality video streaming encoder. Dual-streaming provides two independent streams per video input, allowing viewing and recording at two different quality levels to save disk space and bandwidth.

The Ax316 can transmit full-motion video at 30 fps (NTSC) or 25 fps (PAL). For the highest performance, full 4CIF resolution is available at 7.5 fps for all channels.

For high-performance, multi-channel surveillance over IP data networks, the Ax316 is a unique multi-channel encoder that can aid the transition from analog video to IP video at the best possible cost with little concern of video storage loss.



Front view



Back view



Internal view





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PART NUMBER		AX316	
SPECIFICATION			
Operating system		LINUX	
Video compression		H.264 Codec (DSP Based)	
Live display speed		480(NTSC)/400(PAL) fps	
Recording speed		480/400 fps @ CIF, 240/200 fps @ 2CIF, 120/100 fps @ D1	
Video input		16CH(BNC)	
Video output		Access video output thru web connection	
Screen division	Live	1,4,,9,16 via Windows Explorer 6.0 or higher	
	Playback	1 via Windows Explorer 6.0 or higher	
Audio In/Out	- 1	4 Line in (RCA)/ 1 Line out (RCA), CODEC:G.711	
Alarm In/Out		4 ln/ 1 relay	
Storage		1 HDD's(SATA)	
Archive		Web Connection	
USB Port		N/A	
		RS-485	
PTZ & keyboard control			
System control		Through web viewer	
Network		LAN, DHCP, Dynamic IP, DDNS	
Power		24VAC, 45VA	
Operating temperature		0°C ~ 50°C or 32°F ~ 122°F	
Humidity		20 ~ 80% NC	
Remote SW		Web viewer	
Dimensions		30cm x 4.4cm x 33.5cm (11.8" x 1.73" x 13.2")	
Weight		2.0kg (4.4lb)	
Certification		CE, UL, ULc, FCC	
SEARCH			
Calendar, Event search		Search by time, Search by event	
PLAYBACK			
Playback speed		Variable Playback (Max.2x)	
Instant playback		N/A	
SYSTEM			
Time synchronization		Auto Time Sync. By NTP server	
User authority		Support multi user levels	
System reliability		Auto-Recovery after power Failure	
Firmware upgrade		Via Web Connection	
Configuration export & import		Setting configuration copy & Uploaded thorough web connection	
S.M.A.R.T. Alarm		Auto-Detect & monitoring the HDD's problem	
RECORD			
Recording quality control		3 Levels (Low/Standard/High)	
Recording schedule		By hour, by day, by recording mode, by alarm, by channel	
Panic record		Overrides all other recording settings to provide the best quality recording	
Pre-recording		Max. 5 seconds	
ARCHIVE			
Archive device		Through web	
File format		i ³ encrypted and AVI file	
NETWORK			
Network support type		Static IP/DHCP/DDNS	
Net client & Web server port		Programmable by user	
E-mail notification			
		E-mails to specific users to notify events	
System configuration		Full setup configuration over network	
Bandwidth limit		Bandwidth control by user	
Two-Way audio		Communication with Web viewer	
WARRANTY		3 year parts, 1 year labor	



Megapixel Network Dome Cameras



Ax52D Indoor Network Dome

FEATURES

- Superb image quality with 2MP/1080P
- Wide Dynamic Range
- 3-9mm megapixel lens
- Mechanical Infrared Cut Filter with Day/night functionality
- Multiple H.264 streams
- Power over Ethernet / 24VAC
- Micro SD support
- Full image BNC output
- 3 year limited warranty

APPLICATION & BENEFITS

The Ax52 Series camera resolution ranges from VGA to HD 1080P. The versatile indoor dome with WDR and a Mechanical ICR allow this HD camera to achieve superb image quality in indoor environments. This WDR feature with programable shutter speed lets you see better in areas where both very bright and dark areas exist, such as an entranceway.

All i³ cameras deliver multiple H.264, MPEG 4 and Motion JPEG video streams. H.264 greatly reduces bandwidth and storage needs, without compromising image quality.

The Ax52 Series also offers digital pan/tilt/zoom with multi-view streaming with support for Power over Ethernet (PoE) for easy installation. The built-in internal Micro SD card holder provides redundancy when connection to the DVMS is terminated, effectively reducing risk of losing data. The versatility of this network camera makes it suitable for a range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.



Ax52V Outdoor Network Dome

FEATURES

- Vandal resistant and IP67 Dome Camera
- Superb image quality with 2MP/1080P
- Wide Dynamic Range
- 3-9mm megapixel lens
- Mechanical Infrared Cut Filter with Day/night functionality
- Multiple H.264 streams
- Power over Ethernet / 24VAC
- Intelligent video capabilities
- Micro SD support
- Full image BNC output
- 3 year limited warranty

APPLICATION & BENEFITS

The Ax52 Series camera resolution ranges from VGA to HD 1080P. The versatile outdoor vandal dome with WDR and a Mechanical ICR allow this HD camera to achieve superb image quality in a most challenging outdoor environment.

This all-purpose outdoor dome was designed to save installation time as mounting adaptors for various environments are no longer needed. Rich with practical enhancements, the Ax52V is ideal for most application. Weather-proof models operate in temperatures from -40°C to 55°C (-40°F to 131°F).

All i³ cameras deliver multiple H.264, MPEG 4 and Motion JPEG video streams. H.264 greatly reduces bandwidth and storage needs without compromising image quality.

The Ax52 Series also offer digital pan/tilt/zoom with multi-view streaming and support for Power over Ethernet (PoE) for easy installation. The built in internal Micro SD card provides redundancy for when connection to the DVMS is terminated, effectively reducing risk of losing data. The versatility of this network camera makes it suitable for a range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.





Manufactured & Assembled in Canada



1.866.840.0004

U.S.A. 440 Lawrence Bell Drive, Suite Canada 780 Birchmount Road, Unit 16. Williamsville, NY, 14221

PART NUMBER	AX52D INDOOR NETWORK DOME	AX52V OUTDOOR NETWORK DOME
Image sensor	1/3" 2 MP image sensor optimize for low-light performance	1/3" 2 MP image sensor optimize for low-light performance
Effective pixels	Effective 16:9 1920 (H) X 1080 (V)	Effective 16:9 1920 (H) X 1080 (V)
Image compression method	Triple Streaming: H.264 / MPEG4 / Motion JPEG	Triple Streaming: H.264 / MPEG4 / Motion JPEG
Video codec/resolution	H.264: HDTV(16:9):1920X1080(2M) /1280X720 OR SDTV(4:3): 1280x960(SXVGA), MPEG4: HDTV(16:9):1920X1080(2M)/1280X720 OR SDTV(4:3): 1280x960(SXVGA), MJPEG: HDTV(16:9):1920X1080(2M)/128 0X720 OR SDTV(4:3): 1280x960(SXVGA)	H.264: HDTV(16:9):1920X1080(2M) /1280X720 OR SDTV(4:3): 1280x960(SXVGA), MPEG4: HDTV(16:9):1920X1080(2M)/1280X720 OR SDTV(4:3): 1280x960(SXVGA), MJPEG: HDTV(16:9):1920X1080(2M)/1280X720 OR SDTV(4:3): 1280x960(SXVGA)
Frame rate	Frame rate up to 15fps(NTSC) and 12.5fps(PAL) at 1920x1080; up to 30fps(NTSC) and 25fps(PAL) at 1280x720	Frame rate up to 15fps(NTSC) and 12.5fps(PAL) at 1920x1080; up to 30fps(NTSC) and 25fps(PAL) at 1280x720
Lens	Built-in Mechanical ICR Filter varifocal lens f = 3 \sim 9mm, F1.2 (Mega pixel lens)	Built-in Mechanical ICR Filter varifocal lens f=3 \sim 9mm, F1.2 (Mega pixel lens)
ELECTRIC		
Sync system	Internal	
AES	NTSC: 1/10000 s to 1/3.75s (selectable); PAL: 1/10000 s to 1/3.125s (selectable)	NTSC: 1/10000 s to 1/3.75s (selectable); PAL: 1/10000 s to 1/3.125s (selectable)
Audio	Two-way Mono Audio, Full-duplex, G.711 PCM 8kHz	Two-way Mono Audio, Full-duplex, G.711 PCM 8kHz
Alarm	2 Inputs / 1 Output	2 Inputs / 1 Output
R\$485	Reserved	Reserved
Day & Night mode	ICR D/N control; Auto/ Forced BW/ Forced Color/ External	ICR D/N control; Auto/ Forced BW/ Forced Color/ External
Minimum illumination	0.08 Lux @10IRE; 0.3Lux @50IRE	0.06 Lux @10IRE; 0.24Lux @50IRE
Video port	BNC X1, 1.0Vpp, 75 Ω / RCA x 1, NTSC, 720 X 480 @30fps, PAL, 720 X 576 @25fps	BNC X1, 1.0Vpp, 75Ω/RCA x 1, NTSC, 720 X 480 @30fps, PAL, 720 X 576 @25fps
TV output	NTSC: 720 X 480 @30fps OR PAL: 720 X 576 @25fps	NTSC: 720 X 480 @30fps OR PAL: 720 X 576 @25fps
FEATURE		
Exposure mode	Auto/Manual	Auto/Manual
White balance	5 x 5 zones selectable	5 x 5 zones selectable
Sharpness, saturation, brightness and contrast	255 level sensitivity	255 level sensitivity
Motion detection	Yes; 5 x 5 Motion detection zones & 5 level sensitivity or customized threshold	Yes; 5 x 5 Motion detection zones & 5 level sensitivity or customized threshold
WDR		Digital: 5 level sensitivity
	Digital: 5 level sensitivity	
Privacy zone	Yes; customized threshold privacy zone	Yes; customized threshold privacy zone
Intelligent video	Audio detection / Blur detection / Smart Codec/ Smart Focus/ e-PTZ	Audio detection / Blur detection / Smart Codec/ Smart Focus/ e-PTZ
Other LOCAL STORAGE	Mirror, Flip, system log, snapshot, CBR/VB	Mirror, Flip, system log, snapshot, CBR/VB
Memory card	Support Micro SD/ Micro SDHC Card up to 32 GB	Support Micro SD/ Micro SDHC Card up to 32 GB
SD card overwrite	Yes	Yes
SD card store category	Alarm / Schedule / Motion	Alarm / Schedule / Motion
POWER SUPPLY		
Power requirement	DC 12V & AC 24V ± 10% / PoE(IEEE 802.3af)	DC 12V & AC 24V ± 10% / POE(IEEE 802.3af
Power connector	Screwless terminal block	Screwless terminal block
Power consumption	Max. 5W	Max. 5W without heater, and 18W with heater
ENVIRONMENT		
Operating temperature	-10°C ~ 50°C (14°F ~ 122 °F)	-40°C ~ 50°C (14°F ~ 122 °F)
Operating humidity	10 ~ 90% RH	10~ 90% RH
Storage temperature	-20°C ~ 60°C (-4°F ~ 140 °F)	-20°C ~ 60°C (-4°F ~ 140 °F)
NETWORK		
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN	10Base-T/100Base-TX Ethernet connection for LAN / WAN
Internet protocol	TCP/IP, UDP, HTTP, FTP, DNS, DHCP, NTP, RTP,RTSP, ICMP, uPNP	TCP/IP, UDP, HTTP, HTTPs, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, ICMP, uPNP
IP	וניאור, טטר, הדרי, דרי, טוא, טהכר, אדר, אדר,אז אר, ונאור, עראר וPv4	ICP/IP, OUP, HTTP, HTTPS, SWITP, UNS, DHCP, NTP, FTP, KTP, HTSP, ICWIP, UPNP
Connectors	RJ-45	RJ-45
Remote Connection	SRX-Pro Remote Agent OR IE browser 6.0 or above	SRX-Pro Remote Agent OR IE browser 6.0 or above
I/O CONNECTOR		• • •
Alarm port	Terminal block 2 in / 1 out	Terminal block 2 in / 1 out
Audio In / Out port	3.5mm Phone Jack x 2	3.5mm Phone Jack x 2
· ·		
Reset	Within 5 sec for rebooting system; more than 5 sec for loading defaults	Within 5 sec for rebooting system; more than 5 sec for loading defaults
MECHANISM		
Dimensions (øxH)	ø 138mm x 102mm (ø5.43" x 4.01")	ø 142mm x 120.8mm (ø5.59" x 4.75")
Weight	816g (1.8lb)	1247g (2.75lb)
Protection Class	Vandal Resistant	IP67, Vandal Resistant: 1000 kg impact resistance
WARRANTY	3 years limited warranty	3 years limited warrantry



Megapixel Network Mini Dome Cameras



Ax32V2M2/4 Network Dome Camera

FEATURES

- Flat non-invasive design
- Megapixel resolution 2 MP/ HDTV 1080P
- · Vandal Resistant, Multiple H.264 streams
- Power over Ethernet / 12VDC
- Intelligent video capabilities
- IP66
- Easy installation
- Available in 2.8mm or a 4mm lens
- 2 year limited warranty

APPLICATION & BENEFITS

Ax32VM is a mini wedge, vandal resistant, megapixel, network dome camera. Featuring a 2 megapixel sensor that delivers excellent image detail, perfect for the identification of individuals and objects of interest. The megapixel resolution allows important areas like entrances or checkouts to be monitored in greater detail.

The Ax32VM is a flat, discreet network camera designed specifically for non-invasive video surveillance. It is ideal for areas such as hotel receptions, shops and corridors.

Built for quick and easy installation, its design allows tilt of the lens and horizontal camera adjustment. Its vandal resistant housing allows it to be mounted in any environment removing the worries of the camera being damaged. Equipped with Power over Ethernet (PoE) support or 12VDC, the camera uses the Ethernet cable for both power and video, simplifying installations by eliminating the need for power outlets at the camera locations.



Ax32VD14 Network Dome Camera

FEATURES

- Flat non-invasive design
- VGA Resolution
- Vandal Resistant, Multiple H.264 streams
- Power over Ethernet / 12VDC
- Intelligent video capabilities
- IP66
- Easy installation
- Comes with a changeable 4mm lens
- 2 year limited warranty

APPLICATION & BENEFITS

Ax32VD is a mini wedge vandal resistant, VGA dome camera. Featuring a VGA CMOS sensor that delivers excellent image detail, perfect for the identification of individuals and objects of interest. The megapixel resolution allows important areas like entrances or checkouts to be monitored in greater detail.

The Ax32VD is a flat, discreet, network camera designed specifically for non-invasive video surveillance. It is ideal for areas such as hotel receptions, shops and corridors.

Built for quick and easy installation, its design allows tilt of the lens and horizontal camera adjustment. Its vandal resistant housing allows it to be mounted in any environment removing the worries of the camera being damaged. Equipped with Power over Ethernet (PoE) support or 12VDC, the camera uses the Ethernet cable for both power and video, simplifying installations by eliminating the need for power outlets at the camera locations.





Manufactured & Assembled in Canada



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PART NUMBER	AX32V2M	AX32VD14
Parameter	2 megapixel CMOS Mini IP Vandal-Proof Indoor Dome	VGA Real-time CMOS Mini IP Vandal-proof Dome
CAMERA		
Image sensor	1/3 inch CMOS	1/4 inch CMOS
Electronic shutter	1/25s ~ 1/100,000s	1/25s ~ 1/100,000s
Min. illumination	Color: 0.5Lux @ F1.2 B / W: 0.1Lux @ F1.2	Color: 0.1 Lux @ F1.2 B / W: 0.01Lux @ F1.2
Lens	4mm, F1.2 Fixed Iris (2.8, 6, 8mm optional) Angle of view: 90°	4mm, F1.2 Fixed Iris(2.8, 6, 8mm optional) Angle of view: 71°
Day / Night	Electronic	Electronic
Video parameter	Saturation/Brightness/Contrast/ adjustable through client software or web browser	Saturation/Brightness/Contrast/ adjustable through client software or web browser
Adjustment range	$Pan \pm 15^\circ,$ Tilt0 $\sim 90^\circ,$ Rotation $\pm 15^\circ$	$Pan \pm 15^\circ, Tilt0 \sim 90^\circ, Rotation \pm 15^\circ$
COMPRESSION STANDARD		
Video compression	H.264	H.264
Bit rate	32 Kbps ~ 16Mbps	32 Kbps ~ 8Mbps
Audio compression	OggVorbis	OggVorbis
IMAGE		
Max. image resolution	1600 x 1200	640 × 480
Frame rate	15fps (1600 x 1200), 30fps (1280 x 720)	30fps @ 640×480
FUNCTION		
e-PTZ	Yes	Yes
Storage	Support NAS, ISCSI	Support NAS, ISCSI
Intelligent alarm	Motion etection, Video tampering, Video loss, Network broken, IP address conflict, Storage exception	Motion detection, Video tampering, Video loss, Network broken, IP ad- dress conflict, Storage exception
Protocols	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTCP,PPPoE,FTP,SMTP,NTP,SNMP,H TTPS, SIP, 802.1x, IPV6	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTCP,PPPoE,FTP,SMTP,NTP,SNMP,H TTPS, SIP, 802.1x, IPV6
Basic	Initial Set button, Anti-flicker, Dual Stream, Heartbeat, Password Protec- tion, watermark	Initial Set button, Anti-flicker, Dual Stream, Heartbeat, Password Protec- tion, watermark
3-Axis adjustment	Yes	Yes
INTERFACE		
Audio	Internal microphone optional	Internal microphone optional
Communication interface	1 RJ45 10M / 100M self adaptive Ethernet port	1 RJ45 10M / 100M self adaptive Ethernet port
GENERAL		
Operating condition	$-10^{\circ} \sim 60^{\circ}$, Humidity 90% or less(non-condensing)	-10° \sim 60°, Humidity 90% or less(non-condensing)
Power supply	DC12V ± 10% / PoE	DC12V ± 10% / PoE
Power consumption	3W MAX	3W MAX
Impact protection	IEC60068-275Eh,50J;EN50102, exceeding IK10	IEC60068-275Eh,50J;EN50102, exceeding IK10
Weather proof	IP66	IP66
Dimensions	100mm × 97.5mm × 46.5mm (3.93" x 3.84" x 1.83")	00mm×97.5mm×46.5mm (3.93" x 3.84" x 1.83")
Weight	250g (0.55lb)	250g (0.55lb)
WARRANTY	2 YEARS LIMITED WARRANTY	2 YEARS LIMITED WARRANTY



Megapixel Network Infrared Cameras



Ax52R 2MP Network IR Dome

FEATURES

- Vandal resistant and IP67 Dome Camera
- Superb image quality with 2MP/1080P
- ATR/D-WDR (Digital Wide Dynamic Range)
- 3 ~ 9mm megapixel lens
- Mechanical Infrared Cut Filter with Day/night functionality
- Multiple H.264 streams
- Power over Ethernet / 24VAC
- Intelligent video capabilities
- Micro SD support
- Full image BNC output
- 3 year limited warranty

APPLICATION & BENEFITS

The Ax52R camera resolution ranges from VGA to HD 1080P. The versatile outdoor vandal dome with D-WDR and a Mechanical ICR allow this HD camera to achieve superb image quality in a most challenging outdoor environment.

The Ax52R IR Network Dome is outdoor-ready vandal resistant camera. These cameras are ideal for video surveillance in low light conditions requiring quality images at a distance. Using LED technology, clearer, more detailed images are possible under all types of lighting and weather environments.

All i³ cameras deliver multiple H.264, MPEG 4 and Motion JPEG video streams. H.264 greatly reduces bandwidth and storage needs without compromising image quality.

The Ax52R also offer digital pan/tilt/zoom with multi-view streaming and support for Power over Ethernet (PoE) for easy installation. The built in internal Micro SD card provides redundancy for when connection to the DVMS is terminated, effectively reducing risk of losing data. The versatility of this network camera makes it suitable for a range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.



Ax41B1MVR 1MP Network IR Bullet Camera

FEATURES

- 720P HD, captured on a 5MP CMOS sensor
- Multi H.264 & Motion JPEG
- ICR day/night switching
- Powerful 25M of IR illumination
- 3.3 ~ 12mm megapixel lens
- Power over Ethernet / 24VAC
- Aluminum cast housing
- IP66/67
- Full Image Analog BNC output
- 3 year limited warranty

APPLICATION & BENEFITS

i³ Ax41B is an outdoor-ready IR Network bullet camera. These cameras are ideal for video surveillance in low light conditions requiring quality images at a distance. Using LED technology, clearer, more detailed images are possible under all types of lighting and weather environments. Facilities such as airports, subways, retail stores, schools and university campuses are ideal for this particular model. Resolution from VGA up to 720p at 30/25 fps can be found in this camera. SMPTE standard protocol for resolution, color representation and frame rate has been applied. All models provide day and night functionality with mechanical infrared-cut filters for increased light sensitivity.

Built with a 5 megapixel CMOS sensor, this camera can utilize the larger sensor to condense large pixel counts into a smaller area, resulting in a sharper, clearer image that can optimize the resolution qualtiy of any scene.

i³ Ax41B IR Series, provides multiple, individually configurable H.264 and MJPEG video streams. All Ax41B IR cameras offer digital pan/tilt/zoom. This 1MP megapixel CMOS model has standard Power over Ethernet (IEEE 802.3af), and comes in a weather proof housing, which operates in temperatures from -40°C to 55°C (-40°F to 131°F).





Manufactured & Assembled in Canada



1.866.840.0004

U.S.A. 440 Lawrence Bell Drive, Suite Canada 780 Birchmount Road, Unit 16. Williamsville, NY, 14221

PART NUMBER	AX52R	AX41B1MVR
Image sensor	1/3" 2 MP image sensor optimized for low-light performance	1/3" 5MP CMOS image sensor optimized for low-light performance
Effective pixels	Effective 16:9 1920 (H) X 1080 (V)	2592 (H) X 1944 (V)
Image Compression Method	Triple Streaming: H.264/ MPEG4 / M-JPEG	Triple Streaming: H.264/ MPEG4 / M-JPEG
Resolution	HDTV 1080p(1920x1080) at 15 fps (NTSC) and 12.5 fps (PAL)and 2MP 16:9 (1280x720) at 30 fps (NTSC) and 25 fps (PAL)	HD 720P (1280x720), VGA (640x480), (640x352), (352x192)
ELECTRIC		
Built-in lens	Mechanical IR Cut Filter varifocal lens f = $3 \sim 9$ mm, F1.2 (Mega pixel lens)	f=3.3 $\sim~$ 12 mm, F1.6, Varifocal Megapixel lens
Shutter time	Range from 1/10000s to 1/3.75s selectable (60Hz);Range from 1/10000s to 1/3.125s selectable (50Hz)	AES 1/10000 to 1/3.75 sec
Audio	Two-way Mono Audio, Full-duplex, G.711 PCM 8kHz	Two-way Mono Audio
SD Slot	Micro SD/ Micro SDHC Card up to 32 GB	Support micro SDHC card (up to 32GB)
Motion detection	Yes; 5 x 5 Motion detection zones & 5 level sensitivity or customized threshold	4 x 3 MD window & 5 level sensitivity
Day & Night Mode	Mechanical (ICR) D/N control; Auto/ Forced BW/ Forced Color/ External	Mechanical ICR Filter
Minimum illumination	IR LED OFF: 0.08 Lux @10IRE; 0.30Lux @50IRE (shutter speed: 1/15sec);IR LED ON: 0lux	IR LED OFF: 0.3lux (F1.2, 50 IRE), IR LED ON: Olux
IR LED	IR LED 24pcs(850nm)	IR LED 24pcs(850nm)
IR distance	25 meters (82 ft.)	20 meters (60 ft.)
IR turn on status	Under 10 lux by auto control	Under 10 lux by auto control
LED life	More than 10,000 hours (50°C)	More than 10.000 hours (50°C)
Service Monitor output	BNC X1, 1.0Vp-p, 75 Ω / RCA x 1	NTSC 1.0Vp-p, 75Ω
FEATURE		
BLC	5x5 zones selectable	0N/0FF
White Balance	Auto/Manual	2500K ~ 9600K
POWER SUPPLY		
Power requirement	DC24V/AC24V ± 10%	DC12V/AC24V/PoE(IEEE 802.3af)
Power consumption	20W (Heater ON) 8W (Heater OFF)	Max. 8W
Power connector	Screw terminal block	Screw terminal block
ENVIRONMENT		
Operating temperature	-40°C \sim 50°C (40°F \sim 122 °F) with heater	-40°C ~ 50°C (40°F ~ 122 °F)
Operating humidity	10~ 90% RH	0~ 80% RH
Storage temperature	-20° C ~ 60° C (-4° F ~ 140 °F)	$-20^{\circ}\text{C} \sim 60^{\circ}\text{C} (-4^{\circ}\text{F} \sim 140 ^{\circ}\text{F})$
NETWORK		
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45	1 x 10/100 base-T
Internet protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP,RTSP, ICMP, UPnP	TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, ICMP, uPNP, DDNS
Connectors	RJ-45 Ethernet 10Base-T/100Base-TX	RJ-45 Ethernet 10Base-T/100Base-TX
Browser	SRX-Pro Remote Agent or IE browser 6.0 or above	IE browser 6.0 or above
I/O CONNECTOR		
Network	RJ45	RJ45
Service monitor	BNC	BNC
Alarm	Terminal block	Terminal block
Audio	3.5mm Phone Jack	3.5mm Phone Jack
MECHANISM		
Dimensions	ø142mmx 121mm (ø45.6"x 3.97")	300mm x 88mm x 86 mm (11.79" x 3.47" x 3.39")
Weight	1.3kg (45.6lb)	1.3 kg (2.8 lb.)
Protection class	IP67	IP67
WARRANTY	3 YEAR LIMITED WARRANTY	3 YEAR LIMITED WARRANTY



Megapixel Network Box Cameras



Ax41C1M Network Camera

FEATURES

- 720P HD, captured on a 5MP CMOS sensor
- Multi H.264 & Motion JPEG
- Optimised for low light functionality
- CS Mount for megapixel lens
- Power over Ethernet / 24VAC
- Intelligent video capabilities
- 2-way audio
- Full image analog BNC output
- 3 year limited warranty

APPLICATION & BENEFITS

i³ Ax41 Series camera resolution ranges from VGA to 720P HD. Built with a 5 megapixel CMOS sensor, this camera can utilize the larger sensor to condense great pixel counts into a smaller area, resulting in a sharper, clear image that can optimize the resolution quality of any scene. This model when combined with any of i3 's rust proof outdoor housing can be used in an outdoor environment, to achieve superb image quality. Combined with the low light optimization, this camera will provide superb image quality in poor lighting conditions.

All i³ cameras deliver multiple H.264, MPEG 4 and Motion JPEG video streams. H.264 greatly reduces bandwidth and storage needs without compromising image quality.

The Ax41 Series also offers digital pan/tilt/zoom, with multi-view streaming and supports Power Over Ethernet (PoE) for easy installation. The built-in internal Micro SD card holder offers the opportunity to provide redundancy when a connection to the DVMS is terminated, effectively reducing risk of losing data. The versatility of this network camera makes it suitable for a range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.



Ax52CM Network Camera

FEATURES

- Superb image quality with 2MP/1080P
- ATE/D-WDR (Digital Wide Dynamic Range)
- 3 ~ 9mm megapixel lens
- Mechanical Infrared Cut Filter with Day/night functionality
- Multiple H.264 streams
- Power over Ethernet / 24VAC
- Micro SD support
- Full image BNC output
- 3 year limited warranty

APPLICATION & BENEFITS

The Ax52C camera's resolution ranges from VGA to HD 1080P. The versatile indoor camera with D-WDR and a Mechanical ICR allow this HD camera to achieve superb image quality in indoor environments. This D-WDR feature with programable shutter speed lets you see better in areas where both very bright and dark areas exist, such as an entranceway.

All i^a cameras deliver multiple H.264, MPEG 4 and Motion JPEG video streams. H.264 greatly reduces bandwidth and storage needs, without compromising image quality.

The Ax52C also multi-view streaming with support for Power over Ethernet (PoE) for easy installation. The built-in internal Micro SD card holder provides redundancy when connection to the DVMS is terminated, effectively reducing risk of losing data. The versatility of this network camera makes it suitable for a range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.





Manufactured & Assembled in Canada



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PART NUMBER	AX41C1M MEGAPIXEL CAMERA	AX301C2M MEGAPIXEL CAMERA
mage sensor	1/3" progressive transfer CCD	1/3" 2 Mega Pixel CMOS
ffective pixels	Full scanning mode: 1280 (H) x 960 (V)	1600 (H) X 1200 (V)
mage frame rate	SXVGA 1280x960 @15 fps; VGA 640x480 @30 fps, QVGA 320x240 @30 fps	1600 x 1200@10fps; 4CIF, 2CIF, CIF, & 0CIF@ 30FPS
Service monitor video output	1 BNC for VGA composite video (PAL/NTSC), QVGA 320x240 @30 fps	1 BNC for VGA composite video (PAL/NTSC), QVGA 320x240 @30 fps
LECTRIC SYSTEM		
Sync system	Internal	Internal
Gamma correction	0.45	0.45
Electronic shutter	PAL:1/25, 1/50, 1/120, 1/250,1/1000, 1/10000 sec NTSC:1/30, 1/60, 1/120, 1/250,1/1000, 1/10000 sec	PAL:1/25, 1/50, 1/120, 1/250,1/1000, 1/10000 sec NTSC:1/30, 1/60, 1/120, 1/250,1/1000, 1/10000 sec
BLC	Off, BLC1 ~ BLC6, Auto	Off, BLC1 ~ BLC6, Auto
White balance	2500K ~ 10000K	2500K ~ 10000K
Alarm function	push-in terminal (rear) 1 input/output	push-in terminal (rear) 1 input/output
Notion detection	Yes	Yes
SD card slot	Yes, SD card up to 2GB supported	Yes, SD card up to 2GB supported
Vinimum illumination	Day: 0.4 lux. Night: 0.06 lux.	0.5 Lux (F1.2); 0.1 Lux (F1.2, Sensitization X5)
Day/Night	Digital day & night	N/A
CAMERA MODULE (OPTICS)		
Lens	f=2.4 \sim 6mm, F1.2, f=3.0 \sim 8 mm, F1.0, f=5 \sim 50mm F1.4 (Optional Mega-pixel lens)	f=2.4 \sim 6mm, F1.2, f=3.0 \sim 8 mm, F1.0, f=5 \sim 50mm F1.4 (Optional Mega-pixel lens)
ens mount	CS mount	C/CS mount
/iew angle	27.73 ~ 100.18 (H) X 20.45 ~ 73.33 (V)	27.73~100.18 (H) X 20.45 ~ 73.33 (V)
POWER SUPPLY		
Power requirement	DC12V/AC24V/PoE	24VAC ± 10%; PoE (Power over Ethernet)
Power consumption	Max. 8W	Max. 5W
Power connector	Screw less Terminal Jack	Screw less terminal jack
ENVIRONMENT		
Operating temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14 ~ 122 °F)
Storage temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4 ~ 140 °F)
Operating humidity	80% RH or less	30% ~ 90% RH
NETWORK		
Ethernet	1 x 10/100 base-T Ethernet connection for LAN/WAN	Ethernet(10/100 Base-T) Self-Adaptive
Audio function	Two-way mono audio; Full-duplex	Two-way mono audio; Full-duplex
mage compression method	MJPEG / H.264	Н.264
Security	Multiple password for user to login	Multiple password for user to login
nternet protocol	TCP/IP, UDP/IP, HTTP, SMTP, DNS, DHCP, NTP, DDNS, FTP, RTP	TCP/IP, UDP/IP, HTTP, SMTP, DNS, DHCP, NTP, DDNS, FTP, RTF
Web browser		IE 6.0 or above
Ved browser		
Network port	RJ45 with LEDs	RJ45 with LEDs
Audio in & out port	3.5mm phone jack	2.0 Vp-p, 1KΩ, Linear Electrical Level, 600Ω
Alarm	1x Alarm In / 1x Alarm out	1x Alarm In / 1x Alarm out
Video port	BNC	BNC
Power connector	Screw less terminal jack	Screw less terminal jack
MECHANISM	остем теза теллина јари	
Dimensions (DxWxH)	180mm x 66mm x 55mm (7.09" x 2.6" x 2.17")	65mm × 67mm x 122mm (2.5" × 2.6" x 4.8")
Weight (camera only)	450g (1 lb)	600g (1.32lbs) approx
Weight (camera oniy) WARRANTY	3 year limited	1 year limited

ANALOG CAMERA Solutions

Analog Camera Solutions

i³ offers an extensive selection of analog camera solutions ideal for any application. This family of imaging solutions includes industry-leading cost-effective standard definition fixed cameras, high-speed dome and integrated positioning systems for the most demanding installations, and more. Turn to i³ as your camera of choice.

- AmbiX Dome Cameras
- Indoor Dome Cameras
- Vandal Resistant Cameras
- IR Cameras
- PTZ Cameras
- LPR Cameras
- Standard Color Box Cameras



Di721 Indoor Dome Camera

FEATURES

- Versatile design for installation in all indoor environments
- 700TVL Sony CCD
- · 2.8 ~ 10.5mm lens
- Electronic wide dynamic range (EWDR)
- Day/Night with Infrared Cut Filter
- Vandal resistant
- Flush mountable
- Pendent cap included to standard ¾ inch fitting
- 3D noise reduction
- 3-axis rotation
- 12VDC / 24VAC
- Wire management
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

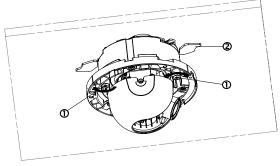
The Di721 AmbiX series of domes integrates Electronic Wide Dynamic Range (EWDR), Day/ Night fuctionality in a vandal-resistant, user-friendly design for effective 24/7 surveillance. Equipped with a 700 TVL Sony CCD sensor, this camera delivers vivid daytime color and active night image capabilities.

This all purpose indoor dome was designed to save installation time as mounting adaptors for various environments are no longer needed. Rich with practical enhancements, the Di721 is ideal for a wide variety of security applications including retail, schools and commercial properties.

- Easily accessible joystick for convenient control of OSD menu system and features
- Video patch lead enables local image verification on a portable monitor
- Pan-Tilt-Twist (3-axis) gimbal enables installers to correct off-center images for properly centered images even along walls
- Conduit and electrical gang box compatible for easy installations
- Built-in pendant mount back box

MOUNTING OPTIONS

- Flush mount





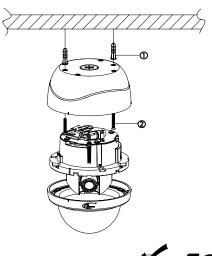
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- Flush Mount Using Back Box

- Surface mount





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PART NUMBER	Di721	Di721P		
SPECIFICATION				
Signal system	NTSC	PAL		
IMAGE SYSTEM				
Image pickup device	1/3" SONY Exview HAD CCD II			
Effective pixels (HxV)	976 (H) × 494 (V)	976 (H) × 582 (V)		
ELECTRIC				
Scanning system	2:1 Interlace V: 59.94 Hz , H: 15.734KHz	2:1 Interlace V: 50 Hz , H: 15.625 KHz		
Sync system	In	ternal/Linelock		
Horizontal resolution		700 TV lines		
Bulit-in lens	f=2.8mm~10	0.5mm,F1.2 DC iris varifocal		
View angle		9.6°(wide) ~ 24.9°(tele) 2°(wide) ~ 18.8°(tele)		
Gamma correction		0.45		
Minimum illumination	F1.2 @50IRE,	0.02lux,@30IRE, 0.01lux		
S/N ratio	More ti	han 50dB (AGC off)		
Gain control	On /	(Off (selectable)		
White balance	ATW/ Manua	al/ User/ Push/ Push lock		
Electric shutter	1/60 sec	1/50 sec		
Flickerless	On /	(Off (selectable)		
BLC	Off/ BLC/ HLC (High light compensation) (selectable)			
Day/Night mode	Digital Day/Night			
DNR	Yes			
Motion detection	Yes	s, 4 areas (max)		
Privacy mask	Yes	s, 8 zones (max)		
High light compensation		Yes		
WDR	On /	(Off (selectable)		
OSD		Yes		
Multi language	English, Japanese, German, French,	Russian, Portuguese, Spanish, Simplified Chinese		
Video output	1Vpp com	posite output, 75 ohm		
Dome color		White / Black		
Power requirement	DC 12V	/ & AC 24V ± 10%		
Power consumption		2.5W (max)		
ENVIRONMENT				
Operating temperature	-10°C ~ !	50°C (14 °F ~ 122 °F)		
Operating humidity	90% MAX			
Storage temperature	-20°C ~	$-20^{\circ}C \sim 60^{\circ}C (-4 ^{\circ}F \sim 140 ^{\circ}F)$		
Storage humidity		70% MAX		
MECHANISM				
Dimension(øxH)		12mm x 97mm		
Weight	300g approximately			
WARRANTY	i ³ Superior 3 year warranty			



Indoor Dome Camera



Di210 Indoor Dome Camera

FEATURES

- 600 TVL SONY CCD
- Mini Indoor Dome format
- · 2.8 ~ 10.5mm lens
- Electronic Wide dynamic Range (EWDR)
- Day/night
- 3D noise reduction
- 3-axis rotation
- 12VDC / 24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The Di210 Mini-Dome suits all applications and budgets. For businesses that are commodity-driven and cost-sensitive, the Di210 offers a powerful price/performance ratio. All cameras offer 600TVL, Electronic Wide Dynamic Range (EWDR), backlight compensation (BLC), automatic gain control (AGC), auto iris and automatic white balance and Day/Night capabilities. The Di210 Mini-Domes are the ideal choice for budget-conscious customers requiring high resolution images and accurate color rendition.

The 3 inch Mini-Dome features a quality vari-focal, auto iris lens, and a wall or ceiling mount. A 3-axis gimbal gives a full 360° pan and rotate, and 90° of tilt. The cameras have an auto-sensing 12VDC/24VAC power input and can be fitted to a selection of mounting accessories. These cameras are extremely reliable, easy-to-install and are designed for use in a wide variety of applications. These cameras are ideally suited for areas where high performance in a mixture of lighting conditions is required.



i3F412 Mini Vandal-Proof Dome

FEATURES

- Mini Fixed Vandal Proof mini Dome 67mm (2.6-inch)
- 1/3-inch Sony CCD
- Digital Day/Night
- Comes with 3.7mm Lens
- Advanced DSP
- Backlight Compensation
- 12VDC Supply with Line-Lock
- IP66
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The ECO Series are fixed compact cameras housed in a stylish surveillance dome. This cost effective dome has a standard 540TVL resolution. The high performance 1/3-inch color CCD cameras come with a 3.3mm integral lens for a great standard overall view. DC voltage ranges allow flexibility in both PAL and NTSC versions.

The ECO Domes are easily surface mounted on ceilings or walls to elegantly blend in with their environment. Its vandal design makes it an ideal camera to be installed inside or outdoors. With its 12V DC supply and line-lock capabilities, this camera is not sensitive to the color interaction between the shutter and fluorescent lighting common to other DC-supplied cameras. The camera's viewing direction can be manually adjusted, and the unique mounting construction ensures a stable camera view.

Enhanced picture quality, true color reproduction, and outstanding reliability make these dome cameras an excellent choice for indoor or outdoor applications where quality and price must meet.



DiB28 Indoor Dome Camera

FEATURES

- Mini Fixed Dome Cameras in 64 mm (2.5-inch)
- 1/3-inch Format Standard and High Resolution
- Comes with 3.6mm Lens
- Advanced DSP
- Backlight Compensation
- 12VDC Supply with Line-Lock
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The ECO Series are fixed compact cameras housed in a stylish surveillance dome. This cost effective dome has a standard 550TVL resolution. The great performing 1/3-inch color CCD dome cameras come with a 3.6mm lens. DC voltage range allow flexibility in both PAL and NTSC versions.

The ECO Domes are easily surface mounted on ceilings or walls to elegantly blend in with their environment. With its 12V DC supply and line-lock capabilities, this camera is not sensitive to the color interaction between the shutter and fluorescent lighting common to other DC-supplied cameras. The camera's viewing direction can be manually adjusted from the outside of the dome and the unique mounting construction ensures a stable camera view.

Enhanced picture quality, true color reproduction, and outstanding reliability make these dome cameras an excellent choice for indoor applications where quality and price must meet.





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PART NUMBER	Di210	i3F412	DiB28
Signal system	NTSC	NTSC	NTSC
Scanning system	2:1 Interlace V: 59.94Hz, H: 15.734KHz	2:1 Interlace V: 59.94Hz, H: 15.734KHz	2:1 Interlace V: 59.94Hz, H: 15.734KHz
Synch system	Internal / Line Lock	Interlace	Internal
Imaging area	4.9mm x 3.7mm	4.9mm x 3.7mm	4.9mm x 3.7mm
Image sensor	1/3" Sony CCD	1/3" Sony CCD	1/3" Sony CCD
Day/Night mode	Auto / Color / BW (electronic D/N) / EXT	Digital D/N	N/A
Horizontal resolution	600 TV Lines	540 TV Lines	550 TV Lines
Lens	F1.2, f=2.8 ~ 10.5mm	F2.0, f=3.7mm	F2.0, f=3.6 mm
Effective pixels No	768x494	768 x 494	720x480
Min. illumination	0.015 lux (F1.2, AGC on, 10 IRE) ; 0.2 lux (F1.2, AGC on, 50 IRE)	0.08 lux (AGC ON) @10 IRE	0.4lux / F2.0 / 50 IRE
BLC	BLC / HSBLC / OFF	ON (Centre)	BLC: Auto
White balance	ATW / AWB / INDOOR / OUTDOOR / MANUAL / AWC	Auto (2500°K to 9500°K)	Auto (2,500°K to 9,500°K)
DNR	ON (LEVEL: 0 \sim 100 adjustable) / OFF	N/A	N/A
S/N ratio	More than 50dB (AGC off)	More than 50dB	More than 52 dB
Angle of view	Wide = 99.5°(H), 73.2°(V) ; Tele = 27.4°(H), 20.6°(V)	N/A	N/A
Video output	1Vpp composite output 75 ohm	1Vpp composite output, 75 ohm	1Vpp composite output, 75 ohm
Gamma correction	$0.05 \sim 1.0$ selectable (default 0.45)	0.45	0.45
Sense up level	Auto (6 levels selectable) / OFF	N/A	N/A
Language	English / Japanese / Chinese T / Chinese S	N/A	N/A
Privacy mask	8 mask areas	N/A	N/A
ENVIRONMENT			
Weight	300g (0.66lb)	320g (0.70lb)	100g (0.22 lb)
Operating temperature	-10°C \sim 50°C (14 °F \sim 122 °F	-10°C ~ 50°C (14 °F ~ 122 °F)	-10° C $\sim 50^{\circ}$ C (14° to 122° F)
Storage temperature	-20°C \sim 60°C (-4 °F \sim 140 °F)	-20°C ~ 60°C (-4 °F ~ 140 °F)	-20° C $\sim 60^{\circ}$ C (-4° to 140° F)
Humidity	90% RH	90% RH	90% RH
Dimensions	112mm X 100.8 mm (4.41" x 3.97")	100mm X 67mm (3.5" X 2.6")	107mm x 64mm (4.2" x 2.5")
Vandal resistant	N/A	Yes	N/A
ELECTRICAL			
Power requirement	DC12V / AC24	DC12V ± 10%	DC12V ± 10%
Power consumption	2.2 W (max)	2.0 W (max)	0.65 W
Electric shutter	1/60 / x2 / x4 // FLK (selectable)	1/60 ~ 1/100000sec (NTSC) 1/50 ~ 1/100000sec (PAL)	Auto
CERTIFICATIONS			
Safety standard	CE, Class A FCC, Class A	CE, Class A FCC, Class A	CE, Class A FCC, Class A
WARRANTY	i ³ Superior 3 year warranty	i ³ Superior 3 year warranty	i ³ Superior 3 year warranty

Vandal Resistant Camera





i3F416U Vandal-Resistant Dome

FEATURES

- 560TVL Pixim CMOS
- · 2.8-10mm Vari-focal Dome
- Wide Dynamic Range
- Day/Night Mode
- Vandal-resistant camera
- IP67
- 12VDC / 24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i3416U wide dynamic range (WDR) dome uses 560 TVL lines of resolution and a pixel-by-pixel shutter speed that lets you see better in areas, where both very bright and dark areas exist, such as an entranceway. Night mode improves performance in low light situations, automatically switching from color mode to monochrome as light dims, and reverting back to color mode once light is restored.

Built with a vandal resistant, rust-proof aluminum housing, this camera is rated at IP67. The i3416U model incorporates a 560TVL Pixim CMOS Chip technology with a built in UTP and is a cost effective and reliable solution to your demanding surveillance and security needs. This WDR dome has a digital Noise Reduction feature which helps conserve valuable hard drive space, reducing the size of video files by up to 30% when used with an SRX-Pro digital video management system.



i3F417U Vandal-Resistant Dome

FEATURES

- 560TVL Sony CCD
- 3.7-12mm Vari-focal Dome
- Day/Night Mode
- Vandal-resistant camera
- IP67
- 12VDC / 24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i3F417U Domes are the ideal choice for applications requiring 560 TVL to provide high resolution images and accurate color rendition. This camera incorporates 1/3" SONY Super-HAD IT CCD Chip technology. For scenes with typical lighting such as daylight or lit, indoor applications, this camera provides 560 TVL high resolution images. This camera produces a much more distinct image as signal-to-noise (S/N) ratio is dramatically reduced with higher sensitivity; due to an increased lux sensitivity. Cameras are available in NTSC or PAL formats and are provided in IP67-rated, vandal resistant housings to meet a variety of installation requirements.

These cameras are extremely reliable, easy-to-install, and designed for use in a wide variety of applications. Ideally suited for use in areas where high performance and superior image quality are required.





Manufactured & Assembled in Canada



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PART NUMBER	i3F416U VANDAL-RESISTANT DOME	i3F417U VANDAL·RESISTANT DOME
Signal System	NTSC, PAL	NTSC, PAL
Scanning System	NTSC: 2:1 Interlace V:50Hz, H:15.625KHz PAL: 2:1 Interlace V:59.94Hz, H: 15.734KHz	NTSC: 2:1 Interlace V: 59.94Hz, H: 15.734 KHz PAL: 2:1 Interlace V: 50Hz, H: 15.625 KHz
Synch System	Internal/Line-Lock	Internal
Scanning Frequency (H)	NTSC: 15.734KHz, PAL: 15.625KHz	NTSC: 15.734KHz, PAL :15.625KHz
Scanning Frequency (V)	NTSC: 59.94Hz PAL:50Hz	NTSC: 59.94Hz PAL:50Hz
Day & Night	Easy D/N ; Auto	Easy D/N ; Auto
Imaging Area	4.9mm x 3.7mm	4.9mm x 3.7mm
Image Sensor	Pixim Orca Sensor with Digital Pixel System $^{\ensuremath{\$}}$ technology	1/3" Sony CCD
Horizontal Resolution	560 TV lines	560 TV lines
Lens	f= 2.8 ~ 10mm , F1.3	f=3.7 \sim 12mm, F1.4 DC Iris Varifocal Lens
Effective Pixels No	NTSC: 720x540	NTSC:768 x 494
Min. Illumination	NTSC: 0.8 lux (F1.3, AGC on, 50 IRE) PAL: 0.05 lux (F1.3, AGC on, 10 IRE)	NTSC: 0.7 Lux (AGC on, 50 IRE) PAL: 0.01 Lux (AGC on, 10 IRE)
WDR	Yes; always ON (102 dB (typ), 120dB(max)	N/A
AGC, BLC, Flickerless	AGC: High/Mid/Low/Custom, BLC: All area selectable by user, Flicker- less: EFR (Enhanced Flickering Reduction Technology	On / Off
White Balance	ATW1 / ATW2 / Manual	Auto: (2500°K ~ 9500°K)
S/N Ratio	> 50dB (AGC off)	> 50dB (AGC off)
Angle of view	Wide = 129.01 °(D) , 100.8°(H) , 73.3°(V), Tele = 34.32°(D) , 27.39°(H) , 20.45°(V)	Wide: 76.92°(H), 56.89°(V) Tele: 22.73°(H), 17.07°(V)
Video Output	1Vpp composite output, 75 ohm	1Vpp composite output, 75 ohm
Gamma correction	Auto/Manual	0.45
ELECTRIC		
Power Requirement	12 VDC/24 VAC +/-10%	12 VDC/24 VAC ±10%
Power Consumption	4.5W (max.)	4.5W (max.)
UTP	Yes - 300m (985 ft.)	Yes; 300M (985 ft.)
Electric Shutter	1/60 sec.(NTSC) or 1/50 sec.(PAL)	1/60 sec.(NTSC) or 1/50 sec.(PAL)
Safety Standard	IP67	IP67
ENVIRONMENT		
Weight	1150g (2.54 lb) approx.	1150g (2.54 lbs) approx.
Operating Temperature	-10° C ~ 50°C (14°F ~ 122°F)	-10° C ~ 50°C (14°F ~ 122°F)
Storage Temperature	$-20^{\circ}C \sim 60^{\circ}C (-4^{\circ}F \sim 140^{\circ}F)$	-20° C ~ 60°C (-4°F ~ 140°F)
Humidity	30% ~ 90% RH	30% ~ 90% RH
Dimensions	150mm x 132mm (5.91" x 5.20")	150mm x 132mm (5.91" x 5.20")
Vandal Resistant	Up to 1000 kg (2,204.62 lb) impact resistance	Up to 1000 kg (2,204.62 lb) impact resistance
WARRANTY	i ³ Superior 3 year warranty	i ³ Superior 3 year warranty



IR Camera



i3F431U IR Dome

FEATURES

- IR Vandal resistant dome
- 18 Powerful LED with range of 30-Meter (98-feet)
- 560 TVL Sony CCD
- 3.7-12mm Vari-focal Dome
- Day/Night
- IP67
- 12VDC / 24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i^a F431U IR vandal resistant Dome offers high performance, unique features, and provides excellent image quality under diverse lighting conditions. All cameras offer backlight compensation (BLC), automatic gain control (AGC), auto iris and automatic white balance (AWB).

The i³ F431U Domes are the ideal choice for applications requiring 560 TVL to provide high resolution images and accurate color rendition. Features include a moving mechanical IR cut filter that provides True Day/Night functionality. For scenes with typical lighting such as daylight or indoor applications, this camera provides 560 TVL high resolution image. When light levels drop, the camera automatically turnes on the built-in IR illuminators and switches from color to black and white mode to capture images in a very low light.

Cameras are available in NTSC or PAL formats and with a vandal resistant IP67 rated housing to meet a variety of installation requirements.

These cameras are extremely reliable, easy-to-install, and designed for use in a wide variety of applications. Ideally suited for use in areas where high performance in a variety of lighting conditions is required.



B731 IR Bullet Camera

FEATURES

- 1/3" Sony Exview HAD CCD II/DSP,
- Double front glasses
- 4.3mm fixed lens
- 700 TVL
- 25M IR, digital day/night
- Cable management
- 12VDC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The ECO Bullet B731 is a high-resolution infrared camera specifically designed to capture pictures even in a pitch black night. Utilizing i^a 's noise reduction technology, it delivers 12-bit sharper and clearer images. The B731's super powerful LED lights can capture images as far as 25 meters (80 feet) away. Even in 0 lux conditions, images are clear. With an IP66 waterproof housing and easy-to-install features, the B731 is an economical surveillance solution for any outdoor location. Great attention to the design of the double glass reduces IR distortion by preventing reflection and makes the B731 camera more reliable in harsh environments.



B732 IR Camera

FEATURES

- 1/3" Sony Exview HAD CCD II/DSP
- 700 TVL
- · Vari-focal 3.3 ~ 12mm lens
- Mechanical (ICR) day/night
- WDR
- Digital Noise Reduction
- Motion detection
- OSD with Privacy masking
- Built in cable management
- 12VDC / 24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The B732 is a professional infrared camera that provides 35 meters (115 feet) of viewing distance in pitch black conditions. Utilizing i^a 's technology, fuzzy, dark images are sharpened to bright, high-resolution clarity at 700TV lines.

The B732 mechanical day/night functionality enables this camera to adapt to diverse lighting conditions. Additional features include privacy zone masking and motion detection. This camera is equipped with a $3.3 \sim 12$ mm vari-focal lens and a cable management bracket, making installations more flexible and convenient. Special attention was placed on designing an intelligent cable management to facilitate a tidy, professional installation. This unique feature protects the camera's wires from rain, heat, vandalism and other harsh elements. The easy to manage bracket makes installation simple in any location, including walls and ceilings.





Manufactured & Assembled in Canada



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PART NUMBER	i3F431U IR DOME	B731 IR BULLET CAMERA	B732 IR CAMERA
Signal system	NTSC, PAL	NTSC, PAL	NTSC, PAL
Image sensor	1/3" Sony CCD	1/3" SONY Exview HAD CCD II	1/3" SONY Exview HAD CCD II
Scanning system	2:1 Interlace V: 59.94 Hz , H: 15.734KHz (NTSC) V: 50Hz, H: 15.625KHz (PAL)	2:1 Interlace V: 59.94 Hz , H: 15.734KHz (NTSC) V: 50Hz, H: 15.625KHz (PAL)	2:1 Interlace V: 59.94 Hz , H: 15.734KHz (NTSC) V: 50Hz, H: 15.625KHz (PAL)
Synch system	Internal	Internal	Internal/Linelock
Horizontal resolution	540 TV lines	700 TV line	700 TV lines
Day / Night mode	ICR Day / Night (Auto)	Digital Day / Night	Mechanical (ICR) control (Auto/Color/Forced to BW)
Built-in lens	f=3.7 \sim 12mm, F1.4 DC Iris Varifocal D/N Lens	f = 4.3mm, F1.8	$f\!=\!3.3mm\sim12mm, F1.4$ DC iris varifocal IR-corrected lens External adjustments (zoom and focus)
IRIS control	DC Iris Driver	N/A	N/A
Effective pixels No.	NTSC:768 x 494, PAL: 752x582	NTSC: 976 (H) \times 494 (V), PAL: 976 (H) \times 582 (V)	NTSC: 976 (H) × 494 (V), PAL: 976 (H) × 582 (V)
Min. illumination	0.7 lux (AGC ON)@50 IRE; 0.01 lux (AGC ON)@10 IRE 0 lux (IR LED Turn ON)	F1.8 color mode: 0.04 lux @50 IRE, 0.02 lux @30 IRE, 0 lux (IR LED Turn ON)	F1.4 color mode: 0.03 lux@50 IRE, 0.015 lux@30 IRE, B/W mode: 0.015 lux@50 IRE, 0.0075 lux@30 IRE, O lux (IR LED Turn ON)
AGC, BLC, flickerless	Auto, N/A, N/A	Auto, Always on(Center), N/A	On / Off (selectable, Off/ BLC/ HLC (High Light compensation (selectable), Yes
White balance	Auto:(2500°K ~ 9500°K)	ATW (2500°K ~ 10000°K)	ATW / Manual / User / Push / Push Lock
S/N ratio	> 50dB (AGC off)	> 50dB (AGC off)	> 50dB (AGC off)
Angle of view	$\label{eq:constant} \begin{array}{l} \mbox{Horizontal:} 76.92^{\circ}\mbox{(wide)} \sim 22.73^{\circ}\mbox{(tele)} \\ \mbox{Vertical:} 56.89^{\circ}\mbox{(wide)} \sim 17.07^{\circ}\mbox{(tele)} \end{array}$	Horizontal:73.7° Vertical:47.3°	Horizontal:89.8°(wide) ~ 23.9°(tele) Vertical:63.6°(wide) ~ 17.9°(tele)
WDR	N/A	N/A	On / Off (selectable
Video output	1Vpp composite output, 75 ohm	1Vpp composite output, 75 ohm	1Vpp composite output, 75 ohm
Gamma correction	0.45	0.45	0.45
Iris control	N/A	N/A	DC
DNR	N/A	N/A	Yes
Motion detection	N/A	N/A	Yes, 4 areas (max)
IR led	High light LED x16 pcs	Super power LED x24 pcs	Super power LED x28 pcs
IR wavelength	850nm	850nm	850nm
IR distance	25M (80 ft)	25M (80 ft), base on object of view reflecting IR light	35M (115 ft)
IR turn on status	Under 10 lux by photo diode IC auto control	Under 10 lux by photocell auto controlled	Under 10 lux by photocell auto controlled
LED life	> 10,000 hours (50°C/122°F)	> 10,000 hours (50°C/122°F)	> 10,000 hours (50°C/122°F)
Privacy mask	N/A	N/A	Yes, 8 zones (max)
Multi language	N/A	N/A	English, Japanese, German, French, Russian, Portuguese, Spanish, Simplified Chinese
ENVIRONMENT			
Housing material	Metal	Metal	Metal
Weight	250g (0.55lb) approx.	300g (0.67 lb) approx.	610g (1.36 lb) approx.
Operating temperature	$-40^{\circ} \sim 50^{\circ} \text{ C} (14^{\circ} \sim 122^{\circ} \text{ F})$	-40°C ~ 50°	-40°C ~ 50°C
Operating humidity	30% ~90% RH	90% RH MAX	90% RH MAX
Storage temperature	$-20^{\circ}C \sim 60^{\circ}C (-4^{\circ} \sim 140^{\circ} F)$	-20°C ~ 60°C (-4° ~ 140° F)	-20°C ~ 60°C (-4° ~ 140° F)
Dimensions (øxH)	ø57mm x 68mm (2.24" x 2.68")	ø71mm x 68.8mm x 158.9mm (2.8" x 2.71"x 6.26")	ø82.9mm x 87mm x 205.5mm (3.26" x 3.43" x 8.09")
Vandal resistance	1000kg (2,204.62lbs) impact resistance	N/A	N/A
Protection class	IP67	IP66	IP66
ELECTRICAL			
Power requirement	12 VDC/24 VAC ±10%	12VDC ± 10%	12 VDC/24 VAC ±10%
Power consumption	4.5W (max.)	4W (max.)	7W (max.)
Electric shutter	NTSC: 1/60 \sim 1/100k sec. PAL: 1/50 \sim 1/100k sec	NTSC: 1/60 \sim 1/10k sec, PAL: 1/50 \sim 1/10k sec	NTSC: 1/60 sec, PAL: 1/50 sec
WARRANTY	i ^a Superior 3 year warranty	i ³ Superior 3 year warranty	i ³ Superior 3 year warranty

PTZ Camera





i3S730PTZ daVinci III series

FEATURES

- · Vandal Resistant PTZ dome
- 560 TVL 26x optical zoom day/night capabilities
- Wide Dynamic Range
- Optional hybrid operation provides simultaneous analog (coax) and IP connectivity
- · Advanced privacy masking
- Advanced alarm control with rules engine
- Pan accuracy +/- 0.02°
- UTP transmission standard on all analog - 24VAC

APPLICATION & BENEFITS

The DaVinci i3S730PTZ is an IP67 waterproof vandal resistant speed dome camera. This camera is made for rugged conditions and is ideal for high-security installations. With 26x optical zoom and 12x digital zoom, i3S730PTZ provides a clear picture from great distances with its 3.5 to 91mm zoom lens.

In addition, this camera's stepping motor and speed optimized microprocessor allow users to pan the speed dome with the +/- 0.02° accuracy. The i3S730PTZ is built with precision panning and produces outstanding images. Its unique function to display only the picture before and after while moving from one preset to the next enables this camera to use very little bandwidth when connected to our SRX-Pro or Veo Digital Video Recorders.

This PTZ camera allows simple setup of up to 256 preset positions and up to four (4), six (6) minute tours, which makes it one of the most versatile speed dome cameras in its class. Each preset can be maximized by the camera's 360° auto flip function. The i3S730PTZ camera comes with an automatic day/night mode function, which allows the camera to switch to color mode during the day time and to black/white imaging at night for better night-time viewing performance.



i3S750PTZ daVinci III series

FEATURES

- Vandal Resistant PTZ dome
- 560 TVL 36x optical zoom day/night capabilities
- Wide Dynamic Range
- Optional hybrid operation provides simultaneous analog (coax) and IP connectivity
- Advanced privacy masking
- Advanced alarm control with rules engine
- Accurately pan at +/- 0.02°
- UTP transmission standard on all analog
- 24VAC

APPLICATION & BENEFITS

The daVinci i3S750PTZ is a wide-dynamic range, 560 TVL, IP67 waterproof, vandal resistant speed dome camera. This camera is made for rugged conditions and is ideal for high-security installations. With 36x optical zoom and 12x digital zoom, the i3S750PTZ provides a clear picture from great distances with its 3.4 to 122mm zoom lens.

This camera's stepping motor and speed-optimized microprocessor allow users to pan the speed dome with the $+/-0.02^{\circ}$ accuracy. The i3S750PTZ is built with precision panning and produces outstanding images. Its unique function to display only the picture before and after while moving from one preset to the next enables this camera to use very little bandwidth when connected to our SRX Pro or Veo DVRs.

This PTZ camera allows simple setup of up to 256 preset positions and up to four (4), six (6)-minute tours, which makes it one of the most versatile speed dome cameras in its class. Each preset can be maximized by the camera's 360° auto flip function. The i3S750PTZ camera comes with an automatic day/night mode function, which allows the camera to switch to color mode during the day time and to black/white imaging at night for better night-time viewing performance.



C-NDB100K daVinci Lite

FEATURES

- Ultra compact vandal proof mini PTZ dome
- 520 TVL High resolution/sensitivity day/night capabilities
 10x optical, 12x digital zoom
- High-speed 360-degree continuous pan
- 8 tours 165 presets and auto-pan modes
 Multi-protocol capable
- UTP transmission standard on all analog - 24VAC

APPLICATION & BENEFITS

i³ DaVinci Lite Series of PTZ is a rugged, extremely compact, and easy to install PTZ camera system, which incorporates many features typically only found in traditional high speed PTZ cameras. This discrete, PTZ dome camera has been specifically designed to deliver uncompromised functionality and performance at a very affordable price for indoor and outdoor applications.

With a dome diameter of only 4 inches (10.2 cm), DaVinci Lite is about 70% smaller than traditional PTZ cameras and 20% smaller than other compact domes. These compact dimensions make the DaVinci Lite Series ideal for discrete surveillance applications.

Despite its compact design, the DaVinci Lite delivers state-of-theart technology and features that are rare for most compact PTZ cameras. Its variable pan and tilt speeds and autopivot ensure optimal camera control and viewing at all zoom levels. This highperformance 120x (10x optical/12x digital) zoom autofocus camera incorporates the latest digital imaging technology with excellent sensitivity and resolution.

With 165 user-defined presets as well as multiple tour and autopan modes, the DaVinci Lite is not light on features. A single DaVinci Lite provides as much coverage as four (4) fixed mini domes and is priced lower than a traditional PTZ dome camera. The DaVinci Lite maximizes your security investment by integrating with the entire line of i³ video products including, SRX-Pro and Veo digital recorders, as well as the full range of i³ video-over-IP products.









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PART NUMBER	i3S730PTZ	i3S750PTZ	NDB100K DAVINCI LITE
Video format	NTSC/PAL	NTSC/PAL	NTSC/PAL
Imaging sensor	1/4" SONY Ex-view HAD CCD	1/4" SONY Ex-view HAD CCD	1/4" SONY Ex-view HAD CCD
Focal length	f=3.5 mm (wide) to 91.0 mm (tele)	f=3.4 mm (wide) to 122.4 mm (tele)	f=3.5mm (wide) ~ 91mm (tele)
View angle	54.2°(wide end) to 2.2° (tele end)	57.8°(wide end) to 1.7° (tele end)	54.2° (wide end) to 2.2° (tele end)
Effective pixels (HxV)	380K pixels/440K pixels approx.	380K pixels/440K pixels approx.	NTSC: 768(H) x 494(V) 380K, PAL: 752(H) x 582(V) 440K
Scanning system	2:1 Interlace V: 59.94Hz, H: 15.734KHz 2:1 Interlace V: 50Hz, H: 15.625KHz	2:1 Interlace V: 59.94Hz, H: 15.734KHz 2:1 Interlace V: 50Hz, H: 15.625KHz	2:1 Interlace
Video output	1 Vpp composite output, 750hm	1Vpp composite output, 750hm	Composite video output 750hm Terminated (2 terminal connector)
Horizontal resolution	560 TV lines	560 TV lines	520 TV lines
S/N ratio	More than 50 dB	More than 50 dB	More than 50 dB
Zoom limit	Up to 312x (optical 26x, digital 12x)	Up to 432X (optical 36X, digital 12X)	Up to 312x (optical 26X, digital 12X)
Focus	Auto (sensitivity: normal, low), one-push AF, manual, infinity, interval AF, zoom trigger AF	Auto (sensitivity: normal, low), one-push AF, manual, infinity, interval AF, zoom trigger AF $$	Auto (normal sensitivity / low sensitivity)
Minimum illumination	Normal mode: 0.1 lux (F1.6, 1/60(1/50) sec. ICR OFF, 10 IRE) / Slow shutter mode: 0.007 lux (F1.6, 1/4(1/3) sec. ICR OFF, 10 IRE) / Night mode: 0.035 lux (F1.6, 1/60(1/50) sec. ICR ON, 10 IRE) / Slow shutter mode: 0.0025 lux (F1.6, 1/4(1/3) sec. ICR ON, 10 IRE)	Normal mode: 0.07 lux (F1.6, 1/60(1/50) sec. ICR OFF, 10 IRE) / Slow shutter mode: 0.005 lux (F1.6, 1/4(1/3) sec. ICR OFF, 10 IRE) / Night mode: 0.0075 lux (F1.6, 1/60(1/50) sec. ICR ON, 10 IRE) / Slow shutter mode: 0.0005 lux (F1.6, 1/4(1/3) sec. ICR ON, 10 IRE)	Normal Mode: 0.7 lux (F1.8), Night Mode: 0.0007 lux (F1.6-sens up) on DSS mode
AGC, BLC, Flickless	AGC: Auto/Manual (-3 to 28 dB, 2 dB steps), BLC: ON/OFF, Flickless: Yes	AGC: Auto/Manual (-3 to 28 dB, 2 dB steps), BLC: ON/OFF, Flickless: Yes	BLC: ON/OFF, Flickerless: NTSC: ON/OFF (1/100), PAL: ON/OFF (1/120)
White balance	Auto, ATW, Indoor, outdoor, one-push, manual	Auto, ATW, One-push	AWB/ATW/INDOOR/OUTDOOR
Auto slow shutter	ON/OFF (max 1.0S)	ON/OFF	ON/OFF
Day/Night mode	Auto / manual	Auto / manual	Filter changeable true day/night camera
Motion detection	Yes	Yes	Yes
PICTURE EFFECT			
Pan, Tilt range	Pan: 360° continuous, Tilt: 92°	Pan: 360° continuous, Tilt: 92°	Pan 360° continuous, Tilt 90°
Manual pan speed	0.1 - 90°/s, 0.1o/s: max dig. zoom ; 0.4o/s :max opt. zoom	0.1 - 90°/s, 0.1o/s: max dig. zoom ; 0.4o/s :max opt. zoom	Max 200°/sec (manual/preset)
Manual tilt speed	0.1 - 45°/s, 0.1°/s: max dig. zoom ; 0.4°/s :max opt. Zoom	0.1 - 45°/s, 0.1°/s: max dig. zoom ; 0.4°/s :max opt. Zoom	Max 200°/sec (manual/preset)
Auto flip	ON/OFF	0N/0FF	0N/0FF
Programmable presets	256 points	256 points	165 points
Programmable tours	4 pattern tours memorizing up to 6 minutes of manual control	4 pattern tours memorizing up to 6 minutes of manual control	8 patters tours
Privacy zone	ON/OFF, up to 24 zones (3D Privacy Zone)	ON/OFF, up to 24 zones (3D Privacy Zone)	4 programmable masking zone
Alarm	6 inputs / 1 output	6 inputs / 1 output	4 inputs
Password protection	Alphanumerical Dome OSD setup protection	Alphanumerical Dome OSD setup protection	N/A
COMMUNICATION			
Protocol	Supports Pelco - P/D, GE, Bosch, Ernitec	Supports Pelco - P/D, GE, Bosch, Ernitec	Supports Pelco, i ³ SD, multiple
Interface	RS485 (2-wire)	RS485 (2-wire)	RS485 (2-wire)
Baud Rate	2400, 4800, 9600, 19200 bit/s (DIP-switch selectable)	2400, 4800, 9600, 19200 bit/s (DIP-switch selectable)	2400, 4800, 9600, 19200 bit/s (DIP-switch select- able)
ENVIRONMENT			
Operating temperature	-40° C ~ 60°C (-40°F ~ 140°F)	-40° C ~ 60° C (-40° F ~ 140° F)	-40°C ~ 60°C (-40°F ~ 140°F)
Operating humidity	20% ~ 80% RH	20% ~ 80% RH	0 to 95% RH
Storage temperature	$-20^{\circ}C \sim 60^{\circ}C (-4^{\circ}F \sim 140^{\circ}F)$	-20° C ~ 60° C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
Dimensions (Ø x H)	216.6mm x 324.0mm (8.52" x 12.75")	216.6mm x 324.0mm (8.52" x 12.75")	157mm x 167mm (8.52" x 12.75")
Weight	3800g approx (8.377lb)	3800g approx (8.377lb)	3200g (Bracket excluded) (7.054lb)
Vandal & Water proof	750 KG (1653 lb) impact resistance, IP67 (with heater and blower)	750KG (1653 lb) impact resistance, IP67 (with heater and blower)	IP66 (with heater and blower)
Electronic			
Power requirement	24VAC ± 10%	24VAC ± 10%	24VAC, 1.1A (with heater)
Power consumption	46W (max.)	46W (max.)	30W (24VAC with heater)
WARRANTY	1 year limited warranty	1 year limited warranty	1 year limited warranty







i3B265i LPR Camera

FEATURES

- Professional 540TVL LPR camera
- Real ICR day/night functionality
- Intelligent "Traffic" modes for license plate capture
- 1/3" SONY CCD
- · On-screen display menu
- 12VDC / 24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i3B265i camera delivers ultra clear images in any weather and lighting conditions; ranging from bright sunlight to darkness, from heavy rain to snow, and from deep shadows to oncoming headlights and glare. This ability to counteract the headlights of oncoming traffic is one of the major benefits of these cameras. Another impressive quality of this series is that these LPR cameras are able to capture and isolate high-contrast license plate numbers from vehicles moving at the speed of up to 150 mph.

The i3B265i is a day/night camera. At night, the i3B265i records at 600 TVL in black-and-white mode, while in the daytime it switches to color mode at 540 TVL. This high-end digital color camera incorporates SONY CCD Chip technology, making it a cost effective, reliable solution for your surveillance and security needs. The i3B265i camera can utilize either direct or alternative current making the installation more economical when replacing a legacy camera on existing wiring infrastructure.



i3R505HB/6HB LPR Camera

FEATURES

- Professional 540TVL LPR camera
- Real ICR day/night functionality
- Intelligent "Traffic" modes for license plate capture
 1/3" SONY CCD
- On-screen display menu
- 12VDC / 24VAC
- Powerful 25M of IR Illumination
- · 3.3-12mm megapixel lens
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i3R505HB is a high-performance plate-capture camera, equipped with a 1/3" SONY CCD. The i3R505HB's outstanding feature set ensures seamless integration and enhanced performance when used in conjunction with external License Plate Recognition (LPR) software.

Outfitted with powerful 850 nm IR, the i3R505HB works perfectly even in total darkness to deliver clear plate images. Its varifocal IR-corrected lens keeps it in focus day and night, optimizing performance even in very low light conditions. In short, the i3R505HB provides the kind of reliability and round-the-clock surveillance-and-capture capabilities crucial to maximizing the efficiency of LPR applications.



i3R510HB/15HB LPR Camera

FEATURES

- IR range: 20 ~ 70M
- \cdot LPR range: 25 \sim 50M
- Ideal LPR range: 25M
- 70M (230ft.) long-life LED
- Solid housing construction
- OSD with remote control
- Ultra-clear images
- ANPR/LPR (Auto Number Plate Recognition/License Plate Recognition)
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i3R510HB (black & white camera) and i3515HB (color) cameras delivers ultra clear images in any weather and lighting conditions; ranging from bright sunlight to darkness, from heavy rain to snow, and from deep shadows to oncoming headlights and glare. This ability to counteract the headlights of the oncoming traffic is one of the major benefits of these LPR cameras. Another impressive quality is the ability to capture and isolate high-contrast license plate numbers from the cars moving at the speed of up to 150 mph.

The i3R510/515 camera series, while cost effective, feature compact and durable vandal resistant and weather proof housing (die-cast aluminum and tempered glass 6mm). These cameras are powdercoated and salt-resistant, which makes them suitable for the North American rugged road condition. Equipped with 96 LED long-life lamps these cameras are able to view objects as far as 230 feet or 70 meters. In addition, they are environmentally friendly & consume very little power ensuring longer LED life.





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PART NUMBER	i3B265I LPR	i3R505HB/6HB LPR	i3R510HB/15HB LPR
Signal system	NTSC/PAL	NTSC/PAL	NTSC/PAL
Scanning system	2:1 Interlace V: 59.94Hz/2:1 Interlace V: 50Hz, H: 15.734KHz/H: 15.625KHz	2:1 Interlace V: 59.94Hz/2:1 Interlace V: 50Hz, H: 15.734KHz/H: 15.625KHz	2:1 Interlace V: 59.94Hz/2:1 Interlace V: 50Hz, H: 15.734KHz/H: 15.625KHz
Synch system	Internal / Line-Lock (AC input only)	Internal / Line-Lock (AC input only)	Internal / Line-Lock (AC input only)
Day & Night	IR pass moving filter for day/night: Auto/Manual/B.C.G./ LPR	IR pass moving filter for day/night: Auto/Manual/ B.C.G./LPR	i3R510: B&W i3R515: Auto / Mono / Color / D/N Sync / Schedule
Imaging area	7.4 mm x 5.95 mm	4.9mm x 3.7mm	4.9mm x 3.7mm
Image pickup device	1/2" SONY CCD	1/3" Type Ex-view CCD	1/3" SONY CCD
Horizontal resolution	600 TV lines	540/600 TV lines (day/night mode)	540/600 TV lines (day/night mode)
Infrared resolution	N/A	70M distance, 850nm wavelength, view angle of 50 degree	70M distance, 850nm wavelength, 6 degree angle
Built- in lens	f : 75 mm; F: 3.9 ~ 32 (manual iris)	f:7.5-50mm F1.3, IR-corrected (DC Lens)	CS with easy back focus
IRIS control	Video / DC drive	Video / DC drive	Video / DC driver
Effective pixels No	768(H) x 494 (V)/752(H) x 582(V)	768(H) x 494 (V)/752(H) x 582(V)	768 x 494 / 752 x 582
Min. illumination	Day mode: 0.01 lux (F1.4, AGC on, 10 IRE); 0.04 lux (F1.4, AGC on, 50 IRE) Night mode: 0.003 lux (F1.4, AGC on, 10 IRE); 0.01 lux (F1.4, AGC on, 50 IRE)	Day mode: 0.01 lux(F1.2, AGC on , 10IRE); Night mode: IR on 0 lux	Day mode: 0.04 lux (F1.4, AGC on, 10 IRE) Night mode: 0.016 lux (F1.4, AGC on, 10 IRE)
AGC, BLC, Flickerless	AGC: 6 / 12 / 15 / 18 / 24 / 30, BLC: BLC1 / BLC2 / BLC3 / BLC4 / Off	AGC: Turbo / Normal / Off , BLC: Yes, Flickerless: ON / OFF	AGC: Auto / Off, BLC: BLC1 / BLC2 / BLC3 / BLC4 / User-defined / Off , Flickerless: On / Off
White balance	ATW1 / ATW2 / Manual	ATW1 / ATW2 / Manual	ATW1 / ATW2 / Manual
OSD	Yes	Yes	Yes
S/N ratio	More than 50dB (AGC off)	More than 50dB (AGC off)	More than 50dB (AGC off)
Aperture	High / Mid / Low	High / Mid / Low	High / Mid / Low
Chroma	9 levels selectable	9 levels selectable	9 levels selectable
LED life	Superior power: 96 pcs LEDs; Metaphase-type LEDs, high-efficient array	Superior power: 96 pcs LEDs; Metaphase-type LEDs high-efficient array	N/A
Gamma correction	0.45/1	0.45/1	0.45/1
Privacy mask	ON / OFF, up to 8 zones	ON / OFF, up to 8 zones	up to 8 zones
COMMUNICATION			
Remote control	RS485	RS485 via PELCO P/D	RS485 via PELCO P/D
ENVIRONMENT			
Weight	approx. 3 kg (6.6 lb)	approx. 6 kg (13.2lbs)	approx. 500g (1.10 lbs)
Operating temperature	-30°C ~ 50°C (-22°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Storage temperature	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	30%~90% RH	30%~90% RH	30% ~ 90% RH
Dimensions (HxDxW)	173mm x 450mm x 154mm (6.81" x 17.71" x 6.06")	173mm x 450mm x 154mm (6.81" x 17.71" x 6.06")	50mm x 62mm x 126mm (1.96" x 2.44" x 4.96")
Water proof	IP67	IP67	IP67
Vandal proof	1000kg (2205 lb)	1000kg (2205 lb)	1000kg (2205 lb)
ELECTRICAL			
Video output level	1Vpp composite output, 75 ohm	1Vpp composite output, 75 ohm	1Vpp composite output, 75 ohm
Power requirement	AC24V/AC90 ~ 260 V	AC90 ~ 260 V AC24V	
Power consumption	approx. 40W/45W (with heater and blower)	approx. 40W/45W (with heater & blower)	10W (max.)
Electric shutter	Auto 1/60 to 1/100,000sec. / manual 9 steps (1/60, 1/100, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K, 1/100Ksec.)/ Auto 1/50 to 1/100,000sec. / manual 9 steps (1/50, 1/120, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K, 1/100Ksec.)	Auto 1/60 to 1/100,000sec. / manual 9 steps (1/60, 1/100, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K, 1/100Ksec.)/ Auto 1/50 to 1/100,000sec. / manual 9 steps (1/50, 1/120, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K, 1/100Ksec.)	Auto 1/60 to 1/100,000sec. / manual 9 steps (1/60, 1/100, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K, 1/100Ksec.) Auto 1/50 to 1/100,000sec. / manual 9 steps (1/50, 1/120, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K, 1/100Ksec.)
Intelligent traffic mode	License plate capture from moving vehicles, Off/Traffic 1, 2, 3, 4	ON / OFF	License plate capture from moving vehicles, Off/ Traffic 1, 2, 3, 4



Standard Color Box Cameras



i3B261 Color Camera

FEATURES

- Low light Hi-res Image Processing Technology
- \cdot CCD sensor with Wide Dynamic Range
- Dynamic engine with Smart BLC
- True Day/Night performance with switchable filter
- 540 TVL resolution
- 12VDC / 24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i3B261 Day/Night camera is a high performance, smart surveillance camera. It uses a 1/3-inch, CCD sensor and incorporates advanced digital signal processing for outstanding picture performance. This advance image processing enhances sensitivity providing a sharper, more detailed images with outstanding accuracy in color reproduction even under harsh lighting conditions. The i3B261 camera is easy to install and ready to use with a day/night feature to ensure the highest image quality possible at any time. Depending on the available light the camera will automatically switch from color mode to monochrome.

All i³ cameras are supplied ready to operate. Simply attach the lens, connect video and then power. Distinct pre-programmed operational modes are stored in the camera. The camera automatically detects the lens type. The lens wizard ensures accurate back-focusing for perfectly sharp pictures at all times. For especially challenging situations where fine tuning or special settings are required, the camera parameters can be individually set using the control buttons on the side of the camera via the On-screen Display (OSD).



i3B290 Color Camera

FEATURES

- Advance Sony CCD technology
- Extended WDR
- Mechanical ICR Day/Night
- Auto detection of lens type
- Video motion detection
- 540 TVL resolution
- 12VDC/24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i3B290 Series of High Performance 1/3-inch Digital CCD Color Cameras create the best possible image, even under the most difficult light and scene conditions. Based on unique advanced digital video processing technology and employing Extended Wide Dynamic Range, these cameras provide excellent sensitivity. By employing the best 1/3-inch CCD available in addition, to advanced front end processing and the latest DSP, these cameras' sensitivity levels, provide better color images in low light situations and sharper daytime images. Intelligent white balance algorithms, supported by a White Balance Hold function and even full manual white balance, ensure the most accurate color reproduction possible. All i³ cameras are supplied ready to operate. Simply attach and focus the lens, and connect power to provide optimal pictures under virtually all scene conditions. No tools are required for back focus and power connection. For extra challenging situations where fine tuning or special settings are required, the camera parameters can be individually set using the control buttons on the back of the camera via the On-screen Display (OSD).

To aid installation, the camera automatically detects the lens type, and using the Lens Wizard ensures accurate (back) focusing for perfectly sharp pictures at all times.



i3B231 Digital Color Camera

FEATURES

- High Res 1/3-inch format CCD imager
- High sensitivity
- Advanced digital signal processing
- Standard resolution
- Auto detection of lens type
- Easy to install
- 12VDC / 24VAC
- i³ Superior 3 year warranty

APPLICATION & BENEFITS

The i3B231 Series are compact, rugged, 1/3-inch image format digital color CCD cameras. Their superior sensitivity and resolution provide optimal performance in virtually all environments. Easy installation, digital signal processing, on screen displays, superior picture quality and reliability bring the video performance of these standard resolution color cameras to a level never reached before and makes the i3B231 Series the best choice for the first time and professional users.

This fully automatic camera is ready to work for you, and is easy to install in even the most demanding applications. On-screen Displays (OSD) provide quick and easy access to all camera features. The i3B231 cameras also come with a lens wizard that automatically detects the type of lens installed and provides an OSD guide that allows the installer to easily adjust the lens level and focus without special tools or filters. The automatic black level feature, now introduced in color cameras, enhances contrast by removing veiling glare from the picture. The wide range of automatic white balance provides true to life color images for indoor and outdoor applications. The ability to operate on AC or DC current provides added flexibility to system designs and reduces the amount of training and support items to keep on hand.





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PART NUMBER	i3B261	i3B290	i3B231
Signal system	NTSC, PAL	NTSC, PAL	NTSC, PAL
Scanning system	nning system NTSC : 2:1 Interlace V: 59.94Hz, H: 15.734KHz NT PAL: 2:1 Interlace V: 50Hz, H: 15.625KHz PA		NTSC : 2:1 Interlace V: 59.94Hz, H:15.734KHz PAL: 2:1 Interlace V: 50Hz, H: 15.625KHz
Synch system	Internal / line lock	Internal / line lock	Internal
Day & Night	Auto / Manual / BW	Auto / Manual / B.C.G	Easy day/night ON/OFF
Imaging area	4.9mm x 3.7mm	4.9mm x 3.7mm	4.9mm x 3.7mm
lmage pickup device	1/3" SONY CCD	1/3" vertical double density interline CCD	1/3" SONY CCD
Horizontal resolution	540/600 TV lines (day/night mode)	540/600 TV lines (day/night mode)	540 TV lines
Lens mount	CS	CS with back focus	CS
IRIS control	Video / DC driver	Video / DC driver	DC Iris driver only
Digital zoom	N/A	2.6X	N/A
Effective pixels No	NTSC: 768 (H) x 494 (V) / PAL: 752 (H) x 582 (V)	NTSC: 768 (H) x 494 (V) / PAL: 752 (H) x 582 (V)	NTSC: 768 (H) x 494 (V) / PAL: 752 (H) x 582 (V)
Dynamic range	128X (52dB)	128X (52dB)	N/A
Min. illumination	Day mode: 0.01 lux (F1.2, AGC on, 10 IRE); 0.2lux (F1.2, AGC on, 50 IRE) Night mode: 0.003 lux (F1.2, AGC on, 10 IRE); 0.01lux (F1.2, AGC on, 50 IRE)	Day mode: 0.018 lux/ Night: 0.0045 lux (F1.4, AGC on, 10 IRE) Day mode: 0.29 lux/ Night: 0.07 lux (F1.4, AGC on, 50 IRE)	0.2 lux (F1.2, 3200°K, AGC on, 50 IRE); 0.01 lux (F1.2, 3200°K, AGC on, 10 IRE)
AGC, BLC	AGC: Auto(normal / super), BLC: ON / OFF	AGC: Auto (normal / turbo), BLC: BLC1 / BLC2 / BLC 3/ BLC4 / User Defined / OFF	AGC: Auto, BLC:ON (Centre)
White Balance	ATW1 / ATW2	ATW1 / ATW2 / manual	Auto (2500°K to 9500°K)
OSD	N/A	Yes	N/A
S/N ratio	More than 50dB (AGC off)	50dB (AGC off)	50dB (AGC off)
Video output	1Vpp composite output, 75 ohm	1Vpp composite output, 75 ohm	1Vpp composite output, 75 ohm
Gamma correction	0.45	0.45 / 1.0 selectable	0.45
Privacy mask	N/A	ON / OFF, up to 8 zones	N/A
COMMUNICATION			
Remote control	N/A	Pelco-P, Pelco-D via RS485 (RJ45) interface Remote control via computer with remote controller software	N/A
ENVIRONMENT			
Weight	500g approx.	500g approx.	500g approx.
Operating temperature	-10°C ~ 50°C (14 °F ~ 122 °F)	-10°C ~ 50°C (14 °F ~ 122 °F)	-10°C ~ 50°C (14 °F ~ 122 °F)
Storage temperature	-20°C ~ 60°C (-4 °F ~ 140 °F)	-20°C ~ 60°C (-4 °F ~ 140 °F)	-20°C ~ 60°C (-4 °F ~ 140 °F)
Humidity	30% ~ 90% RH	30% ~ 90% RH	90% RH
Dimensions	50mm x 62mm x 126mm (1.96" x 2.44" x 4.96")	66mm x 55mm x 130mm (2.6" x 2.16" x 5.11")	48mm x 46mm x115mm (1.88"x 1.81"x 4.52")
ELECTRICAL			
Power requiremet	DC12V / AC24V	DC12V / AC24V	DC12V / AC24V
Power consumption	7W (max.)	10W (max.)	3.5W (max.)
Electric Shutter	NTSC: Auto 1/60 to 1/100,000sec./ manual 8 steps (1/60, 1/100, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10Ksec.) PAL: Auto 1/50 to 1/100,000sec./ manual 8 steps (1/50, 1/120, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10Ksec.)	Auto 1/60(1/50) to 1/120,000sec. / manual Auto slow shutter from 0.04 sec. to up to 5.3 sec.	NTSC: Auto 1/60 to 1/100,000 sec. PAL: Auto 1/50 to 1/100,000 sec.
WARRANTY	i ³ Superior 3 year warranty	i ³ Superior 3 year warranty	i ³ Superior 3 year warranty

ACCESSORIES, POWER SUPPLIES & CARD ACCESS



Card Access, Accessories & Power Supplies

i³ International produces a range of camera and DVR accessories applicable for many retail, commercial and industrial applications. From aluminum camera brackets to UTP & power Supplies, our full line of accessories offers tremendous value to security and loss prevention professionals.

- Card Access
- Camera Accessories
- UTP & Power Supplies



Portal Card Access System

FEATURES

- · Multiple access levels
- Individual door-unlock schedules
- Door forced open activates reader sounder and sets off zone alarm if system is armed

Application & Benefits

i3's Portal Card Access System provides an extremely powerful, cost effective, integrated access control and facility management solution. The system offers 2 door access controls and supports up to 32 doors when connecting 16 control boards. It is a stand alone system that is very easy to install and operate by both the installer and the user. Portal supports a 26 bit Wiegand format access cards or a higher 46 bit input format.

Communication is possible via the RS-232 serial connection which is popular on most PCs using Windows O/S. However, a network communication is also possible via a module upgrade. Portal can handle up to 2,000 users. Driven by i3's proprietary software, the system provides an ideal, modular and expandable solution for commercial and institutional needs. It provides seamless integration with any of i³ Digital Video Management Systems allowing users to monitor video and card access information.

The Portal Card Access System can integrate and provide valuable data of who, when, where and for how long the individual enters a premise. It is a great solution for managers of small businesses, who need to keep track of employees without incurring high implementation costs.

Two reader access control

- 2 readers per door allowing entry/exit or 1 reader per door allowing entry only
- Full stand-alone operation
- Complete card database and all programming are saved to non-volatile memory - Can operate with backup battery
- **Multiple access levels**
- Weekdays, weekends, and revolving holiday schedules
- Two time intervals per schedule
- Individual door-unlock schedules
- Programmed via computer serial port (RS-232 or TCP/IP)
- Fully supervised (Low battery, tamper, and AC failure)
- Door forced open activates reader sounder and sets off zone alarm if system is armed





P-Aladdin 24 Proximity Reader

FEATURES

- Read range of 4 5.5 inches
- Electronics potted with epoxy compound for demanding environmental applications
- Compatible with all Wiegand access control systems
- Industry standard Wiegand (26 to 46 bit) output
- High-tech Enclosure

Application & Benefits

The Aladdin 24 Proximity Reader is a radio-frequency proximity reader for access Control Systems. The reader consists of a transmit/receive antenna and a reader electronics in a polycarbonate housing.

The Reader electronics and antenna are potted with epoxy resin to protect against the environment. The Reader may be mounted on a metal doorframe, a window mullion, or any surface (wall, cabinet, etc).

Electrical

- Read Range: 10cm 14cm (4" 5.5")
- Transmitting Frequency: 125kHz
- Voltage: 5 12 VDC
- Current Requirement: 40 70 mA
- Output Format: Wiegand™

Environmental

- Operating Temperature: -35°C to 65°C (-31°F to 150°F)
- Operating Humidity: 0 95 % (non-condensing)
- Weight: 113 g (4 oz.)
- Color: Dark Gray
- Cable: 5 conductor (22AWG) stranded with continuous shield
- for typical Wiegand installations
- Certifications
- FCC Part 15, Industry Canada
- Warranty
- 3 years





Portal Card Access System - Specifications



Package Contents:

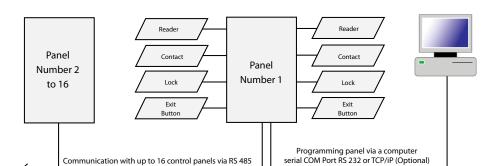
- 2 Proximity Readers
- 8 Badge Cards
- 2 Proximity Key Fobs
- 1 Portal Card Access Controller Board
- 1 Portal Chassis
- 1 Power Supply Board
- 1 Printed Manual
- 1 6 foot serial 9-Pin DB9 cable

Typical System Arrangement

- 2 Battery Brackets
- 10 Resistors
- 4 6" Zip Ties
- 8 3" Zip Ties
- 5 Screws
- 2 Keys
- 1 Software CD

	 The RS485 interfaces between different controllers and can be extended up to 4000 feet (1200 meters) at the baud rate 9600. (Single twisted pair, shielded, 18 to 22AWG) Communication to a host computer via RS-232 serial comport. TCP/IP interface with PC via RS-232 connection is an option
	SYSTEM CAPACITIES
	- up to 16 control panels enabling 32 card readers - 2,000 card holders can access entries/exits - 2,000 event logs stored
	READER TECHNOLOGIES SUPPORTED
	- Wiegand 26 and 46 bit standard - RS-485 communication via TCP/IP (optional)
	ELECTRICAL SPECIFICATIONS
	 Controller board requires 10.8 to 13.2 volts DC and draws approximately 250mA Transformer required: 24-VAC, 40 VA, 1-3 Amp converts to 12 VDC via the power supply board Input options: door contact, request to exit, general purpose, low battery, AC fail, and tamper Control outputs four form C dry delay outputs and four electronic outputs (dry contact relays 2A @ 30v DC (NC/NO) Battery required: 12 volt, 7.0 Ah rechargeable lead acid
	MECHANICAL SPECIFICATIONS
	 Operating environment : 0°C to 70°C (35°F to 150°F) and 20-80% RH non-condensing Portal black metal cabinet: Surface mount Hinged door Door lock Space for one 12volt 7Ah rechargeable lead acid battery 152.4mm (W) x 92.08mm (H) x 8.26mm (D) [6" (W) x 11.625" (H) x 2.50" (D)] Control board dimensions: 130mm (W) x 195mm (H) [5.11"(W) x 7.67"(H)]
Ī	WARRANTY
	- 1 vear

COMMUNICATION









Camera Mount Options

~	i3D702	PTZ Pendant Pipe Mount	6	DB13	Dome Pendant Mount 3/4" NPT
E at	i3D703	PTZ Wall Mount		DB14-DB13	Dome Wall Mount & Pendant- Mount
	i3D704	PTZ Wall Mount		DB445PM	Pendant Mount for the i ^a F445Pro, i ^a F445U & the i ^a
D,	101104	w/Junction Box		DB15RD1	F445Pro-DMY 11/2" M Reducer to 1" M, required to connect an i ^a B755M
	i3D705	PTZ Pendant Mount w/Junction Box		i3B755M	to an i ^a D703 Wall mount Pendant Mount, 1" NPT for the 2MP Dome
C	i3D706	PTZ Parapit Mount	$\overline{\mathbf{O}}$	UMP100	Dome Universal Bracket
1	i3D706	Corner Mount		DBTR100	Dome Trim Ring
				DD-CCP-100	Dome 'T' Bar Support Plate
	i3D706	Pole Mount		DB104WM	DaVinci Lite Wall Mount
0	i3D709	Pipe Extension	0		
Ő	i3D709	PTZ Sun Shield	8	DB101FM	DaVinci Lite Flush Mount
Ø.	PLM-VD100 PLM-IPD100	Pole Mount Kit, for Vandal Domes & IP series cameras VD i ³ R431U, i ³ F416U, i ³ 417U, C-DEHC223, & IP Ax301D2M. Includes (i ³ D703, DB15RD1, i ³ B755M, UMP100 & i ³ D708	A	DB107PM	DaVinci Lite Corner Mount
10	CM-VD100 CM-IPD100	Corner Mount Kit, for Vandal Domes & IP series cameras VD i ³ R431U, i ³ F416U, i ³ 417U, C-DEHC223, & IP Ax301D2M. Includes (i ³ D703, DB15RD1, i ³ B755M, UMP100 & i ³ D708)		DB109PM	DaVinci Lite Pole Mount

ISØ 9001:2008 D



Manufactured & Assembled in Canada

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EA24A6-P9 Power Supply	EA2412A-P18 Power Supply	UN2412A–Rack Mounted Integrated Video	UN2416 –Wall Mounted Integrated Video FEATURES - 24VAC with 1 Amp per channel - Wall mount design - Provides Class 2 camera power while receiving video transmission and delivering P/T/Z telemetry all over a single 4-pair Cat5e cable - Standard telecom/datacom structured cabling pinouts - 2 independent fuses - Frequency Response DC to 10 MHz - Individually floating outputs ensure total ground-loop immunity - Limited life time warranty	
FEATURES	FEATURES	FEATURES		
 24VAC selectable output 6 amp @ 24VAC (300VA) 3.5 amp total max. per output Nine (9) fuse protected outputs Output fuses are rated @ 3.5 amp 115VAC 50/60Hz, 2.7 amp input Surge suppression. AC power LED indicator Iluminated power disconnect circuit Breaker with manual reset Factory installed 3-wire line cord Unit maintains camera synchronization Limited life time warranty 	 24VAC selectable output 12 amp @ 24VAC (300VA) 3.5 amp total max. per output Eighteen (18) fuse protected outputs Output fuses are rated @ 3.5 amp 115VAC 50/60Hz, 2.7 amp input Surge suppression. AC power LED indicator Iluminated power disconnect circuit Breaker with manual reset Factory installed 3-wire line cord Unit maintains camera synchronization Limited life time warranty 	 24VAC with 1 Amp per channel Rack mount design Provides Class 2 camera power while receiving video transmission and delivering P/T/Z telemetry all over a single 4-pair Cat5e cable Standard telecom/datacom structured cabling pinouts 2 independent fuses Frequency Response DC to 10 MHz Individually floating outputs ensure total ground-loop immunity Limited life time warranty 		
APPLICATION & BENEFITS	APPLICATION & BENEFITS	APPLICATION & BENEFITS	APPLICATION & BENEFITS	
The EA24A6-P9 is an economical 12VDC power supply with 9 camera inputs. This power supply has an input of 120VAC. It is packaged in an easy-to-install metal enclosure that has ample room for wiring connections and conduit entries. The EA24A6-P9 will provide the power output needed for most i3 series cameras. This	The EA2412A-P18 is an economical 24VAC power supply with 18 camera inputs. This power supply has an input of 120VAC. It is packaged in an easy-to-install metal enclosure that has ample room for wiring connections and conduit entries. The EA24A12-P18 will provide the power autout packaged for met is perior compare. This	The 16-channel UN2412A series is a key hybrid component that consolidates all CCTV system cabling using standard EIA/TIA 568B structured building wiring. Designed for installation in the IDF/Telecom Closet or MDF/Equipment Room, the Power Supply Passive Video Receiver Hub has of 24VAC outputs that can support camera loads it up to 1 Amp per channel (16 Amps aggregate).	The 16-channel UN2416 series is a key hybrid component that consolidates all CCTV system cabling using standard EIA/TIA 568B structured building wiring. Designed for installation in the IDF/Telecom Closet or MDF/Equipment Room, the Power Supply Passive Video Receiver Hub has of 24VAC outputs that can support camera loads it up to 1 Amp per channel (16 Amps aggregate).	

needed for most i3 series cameras. This power supply series comes with PTC (Positive Temperature Coefficient) for each camera power output. PTC is a resettable fuse. As the temperature rises, nearing danger levels, the resistance increases, so less current flows, thereby protecting the vulnerable equipment that receives the current flow. Therefore, the EA24A6-P9 provides a high degree of protection for your investment.

The EA24A12-P18 will provide the power output needed for most i³ series cameras. This model comes with PTC (Positive Temperature Coefficient) for each camera power output. PTC is a resettable fuse. As the temperature rises, nearing danger levels, the resistance increases, so less current flows, thereby protecting the vulnerable equipment that receives the current flow. Therefore, the EA2412A-P18 provides a high degree of protection for your investment. The 16-channel UN2412A series is a key hybrid component that consolidates all CCTV system cabling using standard EIA/TIA 568B structured building wiring. Designed for installation in the IDF/Telecom Closet or MDF/Equipment Room, the Power Supply Passive Video Receiver Hub has of 24VAC outputs that can support camera loads it up to 1 Amp per channel (16 Amps aggregate). Use with UN24 series transceivers for cable runs under 750ft (225m). A built-in passive receiver hub allows connection to DVR or an encoder for IP transmission. For easier installation each UN24 is equipped with a 25 pin connector which can be quickly attached to any of the i³ DVMS and 16 channel Annexxus encoders. Automatic-reset fault protection, transient protection, and ground loop free individually floating outputs make this an ideal integrated power and video supply for most installers.

The 16-channel UN2416 series is a key hybrid component that consolidates all CCTV system cabling using standard EIA/TIA 568B structured building wiring. Designed for installation in the IDF/Telecom Closet or MDF/Equipment Room, the Power Supply Passive Video Receiver Hub has of 24VAC outputs that can support camera loads it up to 1 Amp per channel (16 Amps aggregate). Use with UN24 series transceivers for cable runs under 750ft (225m). A built-in passive receiver hub allows connection to DVR or an encoder for IP transmission. For easier installation each UN24 is equipped with a 25 pin connector which can be quickly attached to any of the i^a DVMS and 16 channel Annexxus encoders. Automatic-reset fault protection, transient protection, and ground loop free individually floating outputs make this an ideal integrated power and video supply for most installers.





Manufactured & Assembled in Canada



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