

# Day 1

## Introduction to the CCTV Industry

### Types of cameras IP and analog offered by i3 International

- Fixed/PTZ - I/O board, Color/Monochrome, Dome/Speed Dome (size of video recording)/Vandal resistant, Infrared cameras, Day/Night cameras, IP cameras, ANNEXUS series, Megapixel cameras; Camera housing, Other features (BLC, WLC, LUX)
- Power supply. Passive Receiver and Power Supply (PRPS)
- Cabling (UPT, Cat5, RJ45, coaxial, BNC connectors, fire-rated cables in all indoor installations)

## Introduction to the DVR Industry, i3 DVMS

### Server types

- PC (SRX-Pro), NVR (iP-Pro), Embedded (VEO),
- Differences between the PC and Embedded DVR models. Advantages, disadvantages
- i<sup>3</sup> chassis types and series

### DVMS hardware specifications (feature chart).

- Intel motherboards
- i<sup>3</sup> capture board and audio board. AD-2XXX and AD-3XXX series
- i<sup>3</sup> PCI and USB I/O boards, Internal Watchdog function
- SATA Seagate hard drives
- SATA enclosure box (SBB4), SATA RAID structure
- Functions of the SPK key

### Safe handling of i<sup>3</sup> Server

- The main cause and effect of the static electricity on the DVMS
- Correct servicing procedure
- No additional software installed (exception NOD32, MS Word and MS Excel for PACDM™)
- Power surge and the product warranty – integration
- RMA (Return Merchandize Authorization) policy
- i<sup>3</sup> Server maintenance

### Differential Compression Technology, Video Recording Size

- Differential JPEG, MJPEG, MPEG4, and H.264 Technology. The effect on the size of the video recording
- Relationship between resolution and the size of the video recording.
- Fixed cameras vs. PTZ cameras video recording with Motion JPEG technology
- i<sup>3</sup> types of video recording
- Size of video recording

### SRX-Pro (End User Issues)

- SRX-Pro Training Video
- Search and Playback on SRX-Pro Server
- Backup on SRX-Pro Server
- SRX-Pro Remote - Managing Remote Sites
- WebSearch
- SRX-Pro Player

### SRX-Pro Server Advanced Setup

- Software comparison: Lite, Regular, 32 channel, iP-Pro, CMS, VA
- Hardware Setup
- IP Camera Setup
- Storage Setup. Storage Structure, Partitions, etc.
- Video Analytic – VideoLogix, VisionCount, and Q-time



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## Day 2

### **Other Technical DVR Issues**

- Locating the software on the hard drives. Partitions C and D
- XP Embedded and Window7
- Adding hard drives to CW and RM units, partitioning of the new HDDs
- Shutting down the DVR
- Daylight Saving Time
- Remote on Vista
- Installing/uninstalling/upgrading SRX-Pro Server
- Basic DVMS networking (port forwarding)
- Using Norton Ghost Recovery CD/DVD
- Windows XP shortcuts
- Changing Capture board drivers

### **Point of Sales Integration PACDM™**

- PACDM Integration. How it works, what's involved.
- Pre-requisites for installation
- Installation of SRX-Pro Server and PACDM™
- Availability of COM Ports based on chassis
- TCP/IP vs. COM Port
- Text overlay (2 text boxes) in SRX-Pro Server Setup and how to reposition it. Intelligent overlay vs. black and white
- Search Engine and how to use it

### **Instructor Evaluations**

### **Question and Answer Period with Tech support**

**Thank you for attending i<sup>3</sup> Certification!**