i3 Dealer Certification Training Agenda

The following are learning objectives of this course.

- Learn about i3 products and solutions that you can offer your customers.
- What choices are available in digital recording?
- Learn to connect analog and IP cameras to your i3 video management systems and utilize it to its full potential.
- What type of video analytics should I use and why?
- How should I view my surveillance video?
- How should I integrate video with my other systems?

At the end of the class students must feel comfortable with the above objectives.

Day 1

NVR Replacement (1-2 hrs)
1. Re-image new NVR
2. Install SRX-Pro SW
3. Use ACT/SRX-Pro Server to find/add cameras

Overview of i3 Product Lines (1-2 hrs)
1. Cameras. Analog vs IP
   a. Resolution
   b. Camera types
   c. Lens options (motorized, varifocal, fixed)
2. Annexxus Series. Cameras & accessories
   a. Storage and network bandwidth requirement when recording with megapixel cameras
   b. Multiple streams, dual streaming, and benefits, e.g. Ax78
   c. Stream Setup and limitations (hands on)
   d. New cameras and replacement models
   e. Video Compression formats
      ▪ MJPEG/MPEG4/H.264
      ▪ Understanding the implications of h.264 within the data stream
   f. GiPi and firmware & VBR
3. SRX-Pro HVR vs NVR
   a. Understanding classification
   b. Reading i3 product lines. Understanding HVR/NVR routing.

LUNCH (1 HOUR)

Video Management System - NVRs - Software & Hardware (2-3 hours)
Course Objectives: - What choices are available in digital recording? - Learn to connect analog and IP cameras to your i3 video management systems and utilize it to its full potential - What type of video analytics should I use and why?
1. Importance of Time Zone setting
2. Software features and functions
3. IP camera installation and connecting new IP cameras to the i3 HVR Server
4. Cameras frame rate & resolution settings, types of recordings (Motion, Sensor, Continuous, and VA)
5. Applying Video Analytics features to the cameras
6. Administrating SRX-Pro
7. dDisplay
8. Windows setup for multiple monitors - VGA vs DVI vs HDMI (Do not use VGA with KVM)
9. Storage devices – Internal/Directly Attached/Storage Clusters
10. Video encoders
11. Software and hardware maintenance (1 hour)
    a. Diagnostic – common issues
    b. Software Upgrade - How to do a Clean upgrade/Configuration files/Updating the VPC

    c. Driver Update - How to upgrade drivers
    d. Password Reset - How to access your SRX-Pro Server when the password is lost/unknown
    e. FTP site, Downloads section of the website, D:\ Drive resources

12. i3 HVR Server Components **(use anti-static wrist strap)**
    a. Internal components (mother board, CPU, RAM, optical drive, hard drives, capture card, I/O card, mSATA, SSD, Rocket RAID card, SBB3/SBB4) – (pictures with description)
    b. Hands-on unit maintenance demonstration:
- Hard drive replacement. HDD allocation. Troubleshooting HDD-related issues, replacing faulty HDD
- Preventative maintenance

Day 2

Accessing your i3 SRX-Pro Server remotely. (1 hour)
Course Objective: How should I view my surveillance video?
1. Remote software training - hand-on remote connection to different sites, SRX-Pro remote, VPC and smart devices
2. PORT setting for remote connection and open port testing

Network Design (1 hour)
1. Network wiring standards
2. Network addressing, with examples
3. Separation of WAN and LAN or Internal LAN
4. Port Forwarding - testing opened or closed port
5. Network security - firewall and technical issues
6. Power consumption in relation to PoE

What type of video analytics should I use? - Applying Video Analytics (1 hour)
Course Objectives: What type of video analytics should I use and why?
1. Video Analytic availability
2. Processor implications
3. Setting up cameras for VisionCount™
4. Relationship with CMS (briefly)

LUNCH (1 HOUR)

Video Pilot Matrix Server / Console
Course Objective: How should I integrate video with my other systems?
1. What is VPMS/VPMC and how does it work? What are the technical requirements?
2. What are the system specifications and limitations
3. Designing a complete system

Online Test (1.5 hours)
Discussion of the test questions (30 min)
Anonymous Instructor Feedback (15 min)