

ECS Advanced Training Class

Event Capture Systems
ECS Advanced Training

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Course Duration
3Day – 24Hours

4700 Lebanon Rd Suite C
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Introduction

Welcome to the ECS Advanced Training Course. Over the next three days we will be covering topics related to ECS software and hardware. You will be learning basic and advanced techniques which will allow you to better utilize the ECS system your company has purchased.

Class Schedule

1. Day 1
 - a. ECS Theory
 - i. What is a “Buffer”?
 - ii. What is an “Event”?
 - iii. Differences of Machine Vision vs Event Capture
 - iv. Past and Present Software differences
 1. Differences in Live and Review Modes
 2. SQL Server
 3. Master – “M” Driver
 4. Core 10 Hand Out
 - b. Software
 - i. Interface Overview 12.2
 1. Live
 2. Review
 3. Web Inspection
 4. Service Program version 12.2
 5. Setup Menus version 12.2
 - ii. Interface Overview 14.0.X
 1. Liveview, Review, and Web Inspection
 2. Service Program version 14.0.X
 3. Setup Menus version 14.0.X
 - c. Hardware
 - i. Network Topology
 - ii. Recording Hardware
 - iii. Playback Hardware
 - iv. Camera Types
 - d. Naming and IP Scheme
2. Day 1-2
 - a. Hardware Setup
 - i. Ethernet Cables
 1. B-Standard
 2. How to terminate
 - ii. Power Connections
 1. Color Codes
 - iii. Connecting Cameras
 1. Ethernet
 2. Power
 3. Communication Lights

- b. Software Setup
 - i. Windows Settings
 - 1. Network
 - a. ECS
 - b. Camera
 - 2. Windows Services
 - 3. Sharing Drives
 - a. Master Drive
 - 4. Time Sync
 - 5. Remote Desktop
 - c. ECS Setup version 12.2
 - i. Setup Menu Detail view
 - ii. Master computer vs Recorders
 - 1. Add/Remove recorders
 - iii. Camera Settings
 - 1. Prosilica Setup
 - a. GigE IP Config
 - i. IP Settings
 - b. GigE Viewer
 - i. Frame Rate
 - ii. Packet Size
 - iii. Light Sync
 - iv. Resolution
 - d. ECS Setup version 14.0.X
 - i. Setup Menu Detail View
 - ii. Master computer vs Recorders
 - 1. Add/Remove recorder
3. Day 2-3
 - a. ECS Advanced Features
 - i. Camera Image quality
 - 1. Optimization
 - ii. Image Processing
 - 1. Setup
 - 2. Optimization
 - iii. Web Inspection
 - 1. Setup
 - 2. Video Sync
 - b. Troubleshooting ECS
 - i. Wire Testing
 - 1. Ethernet
 - 2. Power
 - ii. Common problems
 - 1. Cameras
 - a. Wire Testing
 - b. Ethernet
 - c. Power
 - d. Solutions
 - 2. Lights
 - a. Solutions
 - 3. Computers
 - a. HDD
 - b. Network
 - c. Software
 - d. Solutions

4. Wireless Equipment
 - a. Solutions
- c. ECS Skills verification
 - i. Test
 - ii. Review
- d. Open Forum
 - i. RnD Docket
 1. User input

Class Summary

When you are finished with the ECS training class you will be able to successfully install, configure and troubleshoot an ECS system at your facility. You should also be able to train other persons at your company on the daily uses of ECS.

Additional Information

- Class Cost
 - \$2900.00 per/week per/person
 - \$6500.00 per/week on your site training.
 - \$2000.00 per /week per/person for multiple employees of the same mill minimum 3
Cost includes Breakfast, Lunch and Dinner for the first two days of the training week, Tuesday and Wednesday. Price also includes Breakfast and Lunch Thursday.
 - Discounts for larger groups are also available along with private classes for company specific training.

Upgrade Information

Upgrading from Version 12 to Version 14 requires changes to 3 main areas. Those areas include hardware components of the system, software and onsite time. Pricing depends on how many of these items need to be updated to allow for the new V14 software. Below is a minimum list of requirements to upgrade. Some customers take this time to change vital system components such as their UPS, lighting, cameras or the recorders. Depending on the age of your ECS system replacing these items should be viewed as a best practice.

Minimum V12 to V14 Upgrade requirements:

- a. Hardware
 - i. RAM upgrade
 - ii. Hard Drive Replacement
- b. Software
 - i. Windows 10
 - ii. SQL Server
 - iii. ECS version 14 License
- c. Onsite Time
 - i. Upgrade Hardware/Software
 - ii. Operational Training