

# SAPPHIRE BROADCAST VIDEO SERVER TRAINING

## INTRODUCTION

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### Who Should Attend?

This course is designed for the staff of digital TV platform operators.

The course comprises two levels:

- 1<sup>st</sup> Level: Appropriate for operational staff with primarily supervision and first diagnostic responsibilities
- 2<sup>nd</sup> Level: Appropriate for staff with platform configuration, operation and maintenance responsibilities

### Prerequisites:

Familiarity with digital TV technologies such as MPEG-2, H264 compression, DVB standards, and IP networking knowledge applied to video real-time transmission (UDP, RTP, multicast, etc.) is necessary. The training course also requires IP Access (from the training room) to the Sapphire, except for online training.

### Knowledge Acquired From The Course:

Participants of this course will gain the necessary knowledge to carry out the following tasks: Configure and operate recording and playout of TS files; splice and filter video streams; multiplex streams on ASI and IP; manage SI with a multiplexed output; automatically add files to database, and create NVOD playlists.

## COURSE CONTENT

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### **Theory:**

- Product Overview
  - Hardware
  - Software
- Main applications description
  - Playout functionality
  - Time-delay settings
  - Ad insertion or ad steamer
  - Near video on demand (NVOD)
  - Manual record and play capabilities
  - Redundancy features
  - Advanced features
- User interface
  - Login
  - Starting applications
  - Shutting down the system
  - Service information and tree view
  - Wizard tools

### **Practice:**

- Installation and start up
- Use of applications
  - Start the system, assign the I/O ports to applications
  - Scanning inputs (ASI and IP)
  - Recording (manual recording, record list, manual ingest)

- Use of the delay feature
- Create a live output (multicast, unicast)
- Playing (file, playlist and NVOD)
- Delay line settings on ASI & IP
- Video processing (PID remapping, SI parameters)

### Notice for Online Training:

The online training agenda is focused on theory. Course content is adapted to type and duration of such training. The focus is on specific aspects of the products. These particular aspects are mentioned in the online calendar. There is no practical training.

## LANGUAGE

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**Courses:** English.

**Materials:** English.

Other languages are subject to feasibility and specific pricing.

## ORDERING INFORMATION

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### Session Dedicated to the Customer – On site/Training Center

- Duration: Three days
- Seats: Six maximum per session
- Please order the STRG-PRC-T reference (with quantity = three) and mention the aim product (Sapphire Video Server) and desired location in your order (On site, including the address, or training center)

### Open Training (see calendar)

- Duration: Three days
- Seats: Four mini - Six max per session
- Please order the STRG-PRC-S reference (with quantity = three) and mention the aim product (Sapphire Video Server) and date of the session.

### Online Training (see calendar)

- Duration: Three hours (excluding practice)
- Connections: Eight mini - Sixteen maximum per session
- Please order the corresponding Web sessions available on the agenda published on the Web site.

## CONTACT

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For other requests, please contact [services.training@thomson-networks.com](mailto:services.training@thomson-networks.com)