

Essentials of Video Servers in Playback Systems

There are many types and configurations of video servers to suit different applications. Learn how to best apply video servers in a playback environment in this practical 2-day course.

Benefits:

In this course you will study and operate DigiWorkz video server in a practical playback environment. You will understand the difference between post and playback video servers and how to best integrate respective workflows.

What you will learn:

- Digital Systems: the basis of SDI
- The Broadcast video server's role in the playback system.
- Reconise and correctly use the various types of video servers in different broadcast applications.
- Operate a video server in both standalone as well as in automation-controlled modes.
- Design and configure an video server system for a playback system in a guided group work project exercise.

For who:

This course is designed for participants with some basic understanding of broadcast video servers who wish to learn more about specifying and system-level design of server-based playback systems.

It will benefit Design Engineers, Maintenance Engineers, Engineering Managers, System Integrators, Operations Supervisors, Operation Managers or anyone interested in properly deploying broadcast video servers in broadcast playback systems.

Learning Features

- Equipment Demos
- Hands-on laboratory
- Exercises to reinforce understanding after each topic
- Multi media lesson delivery
- Group work design project on applying video servers in participants' work context.

Supported by:

Course Outline:

- Overview of the playback system.
 - The big picture: Work process feeding the playback area. (discussion).
 - Key playback area functions: Ingest, Cache, System Control/Automation, Routing & Distribution, Playback & Archive.
 - Jargon Buster: CVBS, SDI, ASI, Component Analog Video, OMF, MXF, AF, Metadata, near-line, on-line and off-line archives, Sort-GOP, Long GOP and I frame only, DV25, DV50, SAN, SAN Manager.

- Types of video servers
 - Review of compression principles: Lossless, lossy, temporal and non temporal (spatial)
 - Review of MPEG I, P and B frames and Editability
 - Inspecting the DigiWorkz Video Server (practical)

- Video Server recommendations for : (group work mini-project)
 - New
 - Post Production
 - Live sports
 - Transmission
 - Archive and content re-use scenarios

- Operating a video server(hands-on / practical)
 - Ingesting new material into the video server system
 - Trimming and editing clips
 - Creating Playlist
 - Playing back material.

- Configuring Video Server Systems in Playback Applications.
 - Playback System Requirements:
 - Single Channel or Multi-Channel?
 - Tape or File or Combination Ingest?
 - Analog video, SDI, ASI or a combination of signal formats?
 - Playlist generation methods.
 - Material Naming Conventions
 - Server Sizing; ingest ports, output ports, storage sizing,
 - Cache and transfer timing windows (group work project)
 - Redundancy and backup configurations: 1+1, N+1, N+M

Supported by:

- Video Servers in an Automated System
 - System-level assembly of DigiWorkz automation system (practical)
 - Automated control of DigiWorkz video server (practical)
 - Storage management and archive interface.
 - Playlists, as-run logs and material database maintenance (discussion)

- Video Server System Design (guided group work project)
 - State goal(s)
 - Define existing workflow and describe ideal workflow.
 - List detailed description of the interfaces between proposed playback area and the rest of the system:
 - Signal format: Analog Composite.\, SDI and/or ASI?
 - Metadata management: paper cue-sheets, MXF, AAF, centralize/ distributed database?
 - Archive Interface
 - Server System design:
 - Sizing: ingest and output port, storage sizing
 - Material management; ingest, storage management, archive interfaces redundancy and backup configuration
 - Review and comparison of Design Projects

Venue:

DigiWorkz, located at The School of Film& Media Studies in Ngee Ann Polytechnic, to provide broadcasters and production house with hands on skills taught by expert trainers.

Duration:

2 days course (9.30 am to 5.30 pm)

Fees:

S\$ 950.00 (before 7% GST)

Contact:

Ho Siew Mun
siewmun@editecintl.com

Supported by:

REGISTRATION FORM

Please fax this form to (65) 62828 039 to book your place

Yes! Please register the following participant(s) for this course.

Essentials of Video Servers in Playback Systems

Course fees: **S\$ 950.00** (before 7% GST) Duration: **2 day**

Course dates: ____ / ____ / ____ to ____ / ____ / ____

1) Name (Dr/Mr/Mrs/Ms).....
Title:
Email:

2) Name (Dr/Mr/Mrs/Ms).....
Title:
Email:

Company:

Address:

.....

Email:

Tel: Fax:

Nature of Business:

Important notice:

Payment must be received **7 days prior to the course** to guarantee your place.

Method of payment:

Please arrange a crossed cheque or bank draft made payable to EDITEC INTERNATIONAL PTE LTD.
And mail your payment together with a copy of this registration to:

61 Tai Seng Avenue,
#05-01 UE Print Media Hub,
Singapore 534167

Enclosed is our cheque /draft for S\$

Overseas delegates may pay by **telegraphic transfer** into the account of Editec International Pte Ltd to the following account:

Account No.932-343-086-8
United Overseas Bank
Block 803 King George's Avenue
#01-242/244
Singapore 200803

Please quote "name of course" and your company name in your payment instructions.

Cancellation and transfers:

If you are unable to attend, a substitute delegate is welcome at no extra charges. Please provide the name and title of the substitute delegate at least 3 days prior to the seminar.

A full refund less 10% admin charge will be given for cancellation received in writing 14 days before commencement of the course.

Supported by:

