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## ***PRESENTATION CAPTURE SYSTEMS***

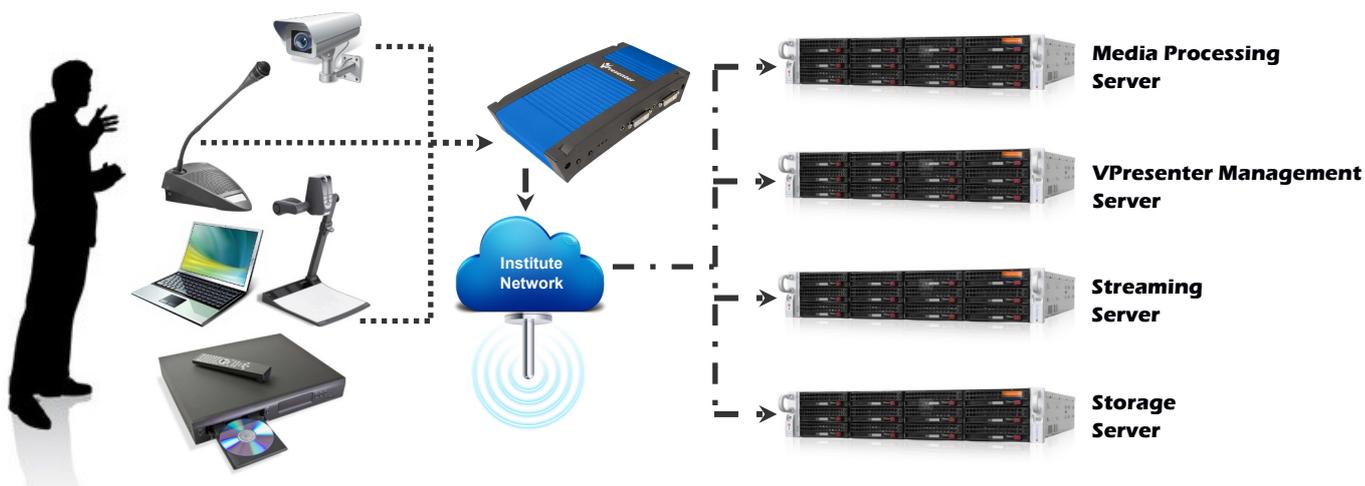
In our latest Presentation Capture Technology, we have incorporated cutting edge, robust technology available, to create the best Lecture Capture System yet. A system which can be boasted as a truly automated, human intervention is not required, and lecture recordings can be fully automatic.

A truly scalable system that tailors to your exact requirements, you have the option to mix and match physical hardware servers, to tailor to your exact performance requirements. Armed with the latest Optical Character Recognition Engine, smart revision has just taken a new meaning. Enter a keyword search, and all the slides containing that particular keyword search appears in the form of thumbnails at the bottom, for quick selection and revision.

Down with the flu and not able to attend the Presentation? With the VPresenter, anyone will be able to view the session LIVE, anywhere, anytime, as long as there is the internet connection.

Rapidly advancing Mobile Technology has seen a high adoption rate to Mobile Learning. App-less Support of the VPresenter means that viewers will not need to install a separate application to view presentations on popular devices such as the Apple iPad. This is really a solution like no other.

## VPresenter Lecture Capture System Features and Overviews



### Presentation Capture Front-End:

- Freedom to choose between preferred Video Cameras, to tailor to specific needs in every different environment.
- Small, Wireless Lapel Microphones would be ideal for animated Presenters, where interactivity between Presenters and Audiences are maximized.
- Small, Power-over-Ethernet (PoE) Dual Input Encoder provides high energy savings, translating to lowered operational costs, yet never sacrificing on performance.
- Capture and store any sort of Presentation, be it PowerPoint, Excel Sheets, Graphical Renders from Desktop/Laptop Computers, Live Views from Visualizers, and even Videos from DVD Players.
- Automation is important in a hassle-free environment. So we provided the ability for schedules to be automatically populated from Booking Systems, to automate the recording process.
- Third party controllers can allow a physical START/STOP option for the Lecture Capture, allowing Presenters a flexible, but simplified form of Physical Control.

### The Playback:

- Presentations are indexed at the bottom in the form of thumbnails, click on it and the video fast forwards to the point where the slide is being presented.
- Viewing Compatibility across most popular desktop based web browsers are supported.
- Watch the recordings on the move with Mobile Devices, without the need to download any application from the app store. As long as there is a supported web browser, there is the ability to playback the recordings.
- User familiarity is important, so the interface across all supported platforms remains the same, there is very little learning curve involved.
- Built In Advanced Character Recognition Engine allows viewers to perform Keyword searches across a SINGLE Presentation and presenting all results in the form of thumbnails.



## The Streaming Process

- Encoded with the latest, audio-video encoding format, network traffic is greatly reduced over conventional encoding methods.
- Recordings can be either temporarily stored within the physical Encoder, or streamed directly to the Back-End Infrastructure, depending on Network Conditions and Preferences.
- Select between Transfer Rates, to achieve the perfect balance between Network and Recording Performances.



## The Back –End Servers

Every single server is purposely built, and each server should ideally be housed in a dedicated physical hardware.

## VPresenter Management Server

- Manages, all connected Encoders within the same network, and provides status monitoring, and control of the devices.
- Allows the possibility of providing Lecture Capture Automation. Schedules are pulled off a booking system, and populated into the Recording Schedule, for a completely automated Start/Stop Lecture Capture.
- Provides Communications with market available Learning Management Systems.

## Media Processing Server(s)

- Platform where Incoming media from the Encoders are first processed, before being archived in the Storage Servers.
- Latest Processing Technology ensures that Recordings captured are quickly delivered; an hour's recording will be made available for playback and review within 5-10 minutes after recording's ended.

## Storage Server(s)

- Recordings are stored for subsequent retrieval and streaming.
- Highly expandable and configurable based on user requirements, options for Raid 1/Raid 5 Storages, Network Accessible Storages, can be provided upon specific requests. Talk to us, and let us understand more.

## Streaming Server(s)

- Depending on requirements, Streaming Servers can be configured accordingly based on the number of concurrent users.
- Enterprise grade streaming technology provides support for a large number of concurrent users, as long as your network is able to support this high level of network traffic.
- Multiple Streaming Servers can be combined to meet demanding streaming requirements. Talk to us, and we will propose the best solution that suits your requirements.

However, we know that sometimes, the overall load is light, and there really isn't a need for anything more than one physical appliance. And with us, this is possible. Let us know, and we will recommend the approach to reduce the amount of hardware required.



## VPresenter Lecture Capture System Summary

### Front-End:

- **Flexible Presentation Contents** - The VPresenter enables the support of a wide variety of Input sources, ranging from Laptops, Visualisers to DVD and Standard Video Playbacks, to be captured On-The-Fly, and digitized.
- **Live Capture** - Using your preferred brand of Standard Definition, High Performance Pan-Tilt-Zoom Camera, capture the presenter's video, live and digitized.
- **Same Physical Encoder** - Both Presentation Content and Lecturer Video, is captured by the same encoder, reducing the need for multiple hardware to perform the same actions.
- **Power Efficiency** - A non-PC based Power-over-Ethernet capture recorder provides the same performance with lesser power consumed, translating to a higher operational cost savings.



### Back-End:

- **Time to Publish** - You can review a recorded 1 hour lecture event, as soon as 10 minutes after the end of lecture!
- **Support for Popular LMS** - A wide variety of Learning Management Systems can be supported.
- **Central Management** - Web Portal based offers the ease of management across all connected Encoder/Server devices, for status monitoring and administrative management, including Start/Stop of Lecture Recording Sessions.
- **Direct Encoder Control** - Third Party Control systems will be able to directly control the Encoder to activate Start/Stop of Lecture Capture.
- **Customizable Video Portal** - A Web Portal with a highly customizable web user interface, provides an alternative to allow students to access, review and playback the captured lessons, search for recordings etc.
- **Automation** - automate the entire recording process, by having a recording schedule populated according to your room booking system, or a booking template.
- **Secured Access** - Possibly connected to the student database, students will be able to directly log in to the system, and based on access rights, have only the relevant content listed for their review.
- **Fully Scalable** - Completely Scalable and Expandable, as long as the network permits.
- **Multicast** - distributes live videos and presentations with only a single upstream.
- **Multi-Unicast** - Reach out to thousands of viewers globally using our RECAST Technology, with just a single LIVE Stream.

### Play Back:

- **Live Session View** - if you can't make it for the lecture, you can log into the portal, and view the lecture recording session, LIVE.
- **Viewing Compatibility** - Recording Playback, works across the widest variety of browsers such as Firefox, Google Chrome, Internet Explorer etc.
- **Multiple Layout Views** - Toggle between different layouts during the playback to suit every user's specific needs.
- **APP-less Support** - No separate application required for viewing on mobile devices.
- **Thumbnails** - Presentation slides are offered as thumbnails at the bottom to serve as preview and quick selection.
- **Character Recognition** - Perform Keyword Searches across the Presentation Contents within a single presentation, using the latest Character Recognition Engine available yet.
- **Simple Video Editing Interface** - Web-based browser allows presenters to make quick amendments and changes to the views before publishing them.

