DISCOVER VIDEO FOR HIGHER EDUCATION:

Lecture Capture

Improve the Learning Experience with Lecture Capture

Reach students anywhere, at any time.

Allow students who were not able to attend class, or want to review class material, to view lectures on-demand at their convenience.

HOW LECTURE CAPTURE WORKS

Colleges, universities, and even some K-12 schools are increasingly using a lecture capture video solution to allow instructors to record a lecture or classroom presentation and make it available to students online.

The Benefits

Using a lecture capture solution is a great way to:

- Enable students that miss class to get on-demand access to lectures
- Provide students with the ability to revisit lectures and allow them to learn at their own pace

- Allow professors to see who has viewed the lecture and measure their level of comprehension
- Create a more interactive educational experience by giving students the opportunity to ask questions during the lecture and receive immediate feedback
- Improve the educational experience and create better learning outcomes
- Create a flipped classroom by delivering instructional content to students online before class, then reviewing the material in the classroom

How it Works

Discover Video offers flexible lecture capture options in multiple formats such as audio video only, with visual presentations, or multiple audio video sources simultaneously. When you're ready to use lecture capture, simply start your video streaming/recording with the push of a button or schedule your recording to start at a specified time with any of our lecture capture solutions.

Once the lecture has begun, your students can view and interact with your synchronized presentation. Students can view live and on-demand presentations anywhere (in the classroom, at a remote campus, or even from home) and on any platform (PC, Mac, iPhone, Android, tablet, Roku box, or TV) using their campus authentication and an internet connection. DEVOS also enables optional podcasts, allowing students to download videos and view them without an internet connection.

During the lecture, instructors can interact with students in real time with live chat, polling and Q&A. After the lecture, instructors can see who has viewed the recording live and on-demand.

After your video is recorded, everything is automatically uploaded to the DEVOS server and is immediately available on-demand—no waiting for the server to process the video.

Students who were not able to attend class due to illness, travel, sports or other commitments, or who want to view the lecture again for study purposes, can view the lecture on-demand at any time.

If you need to deliver the video presentation to remote campuses with multiple viewers, Discover Video's easy-to-use StreamPump device allows students at other locations to access a single video stream without using additional internet bandwidth, avoiding network overloads that can compromise video performance and quality.

TURN THE CLASSROOM INTO A STUDIO

Everything you'll need to record a lecture or classroom presentation and make it available to students online.

What You'll Need

Encoder

- **Streamsie software encoder:** up to two inputs with live streaming and recording
- **Compact Mantis HD encoder appliance:** single video input with local recording
- **StreamEngine:** Up to 8 HD inputs/streams

DEVOS visual communications platform

- For live streaming and recording
- Available in software only, software and server, cloud-based, and hybrid versions

Video cameras

Microphone

Equipment Tips

- For the best results, consider using multiple cameras so participants have several viewing options—of the presentation, the lecture hall audience, and zoomed in and wide angle views of the professor, for instance.
- Modern cameras will balance light automatically, so you don't need exotic lighting systems.
- Use a modern camera with HD output for higher quality videos.
- If you keep your camera equipment set up in the classroom, you can easily start a lecture at any time with the push of button.
- Consider using a wireless lavalier type microphone for clear audio.

DISCOVER VIDEO'S DEVOS SOLUTION

Discover Video's higher education video solution solves the most common challenges by giving faculty multiple lecture capture solutions to meet their individual needs with flexible software and appliance options.

Live Video Quality

Discover Video specializes in cutting-edge live video streaming solutions. Our low-delay encoders are designed for 24/7 operation, so you can be sure that the video you produce with your DEVOS system is professional quality.

Flexibility

Many competitors offer video solutions that are exclusively cloud-based, but the DEVOS content management system, which serves as a central storage and management hub for all captured video content, is available in several different configurations, all at a much lower price point.

- **On-premises:** Install software on your own server or the DEVOS Rack Server-16, which supports over 2,000 simultaneous video viewers. You can install a single server or one per department.
- **Cloud:** Fully hosted, expandable storage
- **Hybrid:** On premises and cloud
- **StreamPump:** Intelligent reflect and caching server optimizing video delivery

DISCOVER VIDEO'S DEVOS SOLUTION

Per-Student Costs

Most lecture capture solutions charge an annual subscription fee for capture and hosting based on how many students will have access to the lectures. With Discover Video, schools make an initial expenditure to purchase a DEVOS Server or software for virtualization along with our lecture capture encoders. After that, Discover charges an annual maintenance fee that includes unlimited capture and on-premises hosting. Discover Video also offers DEVOS Cloud at about half the cost of competitors with the use of StreamPump appliances.

TYPE	FIXED COST	YEARLY	TOTAL INVESTMENT Over 3 Years
On-premises hardware and software server	$30-$90K	$3-$9K maintenance	$39K- $117K
On-premises SW- VM	$25-$50K	$2.5-$5K maintenance	$33-$65K
Cloud based system	$0	$12-$50K cloud server	$36-$150K
Encoders (required)	$1-$10K per room	$1K/room maintenance	$5-$13K per room

Equipment from Different Vendors

With other solutions, you may have to use several different vendors for hosting, encoders and other hardware. Discover offers the entire ecosystem, so you know that all aspects of your lecture capture solution are compatible—simplifying service and support. The DEVOS system even includes the ability to display digital signage or stream cable TV channels at no extra cost.

Students at Branch Campuses

Using Discover Video's StreamPump appliance, students at multiple campuses can view the same lecture, live or on-demand, with the same high-quality video and no extra bandwidth requirements.

Viewing Options

With the DEVOS system, viewers have the flexibility to watch what interests them rather than being locked into a single viewing option. The new MultiViewer feature allows viewers to select up to four viewing windows to see different video streams (for example, the Powerpoint presentation, a view of the professor, and a view of the audience). Viewers can drag, drop and resize windows as desired. To make viewing even easier for students in a large lecture hall with a single projection screen, the add-on Venue device allows students to view the presentation screen live on their mobile devices using a local Wi-Fi connection.

UNIQUE BENEFITS OF DEVOS

Other unique benefits of the Discover Video educational video solution include:

- Post-production capability to turn recorded lectures into learning paths
- Easy integration with any Learning Management Systems (LMS)
- Secure archiving of captured videos with the ability to organize in channels and search by keyword, professor, or topic

- Live audience chat, questions, polling, and discussion options
- Ability to view live or recorded video stream securely on any device—desktop, TV, smartphone or tablet
- Simple, plug-and-play operation
- Ability to track student viewers for compliance verification
- Ability to watch recording at different speeds

What else can your school do with DEVOS?

Stream Live Events

IPTV Broadcasting

Digital Signage

Priority Alerts

Onboarding and Training

HR Announcements

Professional Development

Want to improve the learning experience and reach students anywhere, at any time? Contact us to see how Discover Video's flexible and affordable lecture capture solution can transform your students' education.