StudioStation
ONE TOUCH RECORDING SOLUTION

- Works with any HDMI camera or video source
- Records MP4 media files that are compatible with virtually any media player
- Horizontal Video Mirroring saves time and eliminates video editing in learning board and lightboard applications
- Integrates with IP Link power controllers to automate lighting, displays, and other devices
- Customizable to fit any application
Introduction

With the rise in flipped classrooms, distance learning, lecture capture, and corporate meeting rooms, schools and other organizations are expecting more from their classrooms and internal presentation spaces. These areas must be dynamic, flexible, and easy to use. Presenters want to reach people beyond their walls, often in remote locations, or even in different time zones. Yet presenters want the process to be straightforward and uncomplicated; as easy as recording a favorite television show.

When audiovisual systems are easy to use, they are used frequently. The converse is true, too. Systems that are complicated to use with controls that involve too many button pushes, necessitate several remote controls, or a call to the IT Support Desk, become expensive systems that collect dust.

The StudioStation Solution

Extron created StudioStation® so that anyone, of any skill level, can quickly and easily record presentations. StudioStation is a convenient, frustration-free solution for recording high quality audio video presentations with just the push of a button. It is a preconfigured package that takes the guesswork out of designing, installing, and programming a studio recording system.

To ensure seamless, reliable functionality, Extron designed and manufactured every component of the StudioStation recording solution. Presenters simply use their lighting, display, and an HDMI video source of their choice. Core system components can be placed securely in an equipment rack, leaving only the control panel and USB connection visible to the presenter.

Extron StudioStation® is a powerful communications tool. It captures and records high quality audio and video from any HDMI video source, including cameras and computers. With its convenient one-touch operation, StudioStation is the solution for flipped classroom environments, archival systems, and future playback applications. It can record and stream simultaneously, extending your message in real time to overflow rooms, staff offices, or satellite campuses.
Features

Quality Recordings for Any Application
Extron’s high performance scaling and flexible signal processing enable superior recording of nearly all HDMI source resolutions. The default recording setup is configured for 720p at 5 Mbps, producing an MP4 media file, which is compatible with virtually any media player or editing software. Using the embedded web page, it is easy to customize the default configuration to meet the needs of many applications. Recordings can be saved to the internal StudioStation drive, a USB storage device, or to a remote storage location on the network.

Embedded Power Control
The included IP Link Power controller communicates directly with StudioStation and controls power to connected camera, lights, and displays devices. When a USB drive is inserted, any attached devices will automatically power on, making it quick and easy for anyone to start the system. Once the recording is complete, removing the USB storage device places the system into a standby state and turns off any devices connected to the power controller. The core components can be located securely in an equipment rack, with only the control panel and USB connection visible to the user.

Extensive Streaming Capabilities
StudioStation can record and stream simultaneously, with independent record and stream resolutions ranging from 512x288 to 1080p/30. High resolution, high bit rates deliver superior quality video to the recording, while lower bit rates and resolution are used in a confidence monitor or for streaming distribution. Video bit rates can range from 200 Kbps to 10 Mbps. A wide range of streaming protocols and session management methods are supported, including RTMP for live streaming to Facebook, YouTube, or other Content Delivery Networks – CDNs. This range of capabilities provides flexibility when streaming to various devices with different system configurations and network conditions.

Applications
StudioStation provides MP4 or M4V file format recordings integrated with metadata, and chapter and event marking. It is ideal for applications that require live streaming to remote participants, hosting services, or local confidence viewing. StudioStation can be adapted to many applications, documenting virtually any meeting, conference, or activity that uses an AV source as a reference. It is ideal for use in corporate, education, and government applications. Applications include:

- Lecture Capture: Record and publish educational courses onto learning management systems
- Presentation Recording: Document presentations and replay them for absent participants
- Enterprise Training Systems: Archive training material and publish for on-demand access

Built-in Horizontal Video Mirroring
Flipped classroom environments enhance student learning and achievement by delivering instructional content to students before they set foot in a classroom, typically online. Lightboards are a visually-stimulating way to present content in flipped classroom environments. A lightboard is a large surface of transparent glass that is placed between the camera and the presenter. The presenter is filmed through the glass, writing onto the transparent surface with a neon marker, where the text glows and appears as if floating in air.

The challenge is that the recording appears backwards, as if seen in a mirror. This is typically addressed by filming the presenter's reflection in a mirror or by flipping the video horizontally in post production. Both methods increase project time, complexity, and cost. StudioStation’s built-in horizontal video mirroring feature enables automatic mirroring of content, eliminating the need for mirrors or post production work.
StudioStation Builder

Extron's StudioStation® Builder is an interactive, online, drag-and-drop tool that guides you through the process of customizing the ideal StudioStation solution for your application. As your custom StudioStation solution is being configured, a bill of materials is simultaneously prepared, allowing for last-minute changes before placement of an order. StudioStation Builder navigation is straightforward and intuitive, with detailed, step-by-step navigation that guides you through the configuration process. “Drag-and-drop” functionality facilitates quick and easy layout design. To access in-depth product information for any item, simply click on its part number.

- **Intuitive, step-by-step navigation** – Comprehensive, yet simple navigation system guides users through every step of the configuration process.
- **Drag-and-drop tool** – Intuitive design facilitates quick and simple configurations.
- **Live Preview** – View configurations as they evolve, in real time
- **Order online** – Once configured, StudioStation systems can be ordered online, directly from the StudioStation Builder.
- **Export to PDF, Excel, or PNG** – Export configuration data in a variety of formats for use in customer presentations or project proposals.