

STREAMING AV



SMP 351
H.264 Streaming Media Processor

The SMP 351 is a high performance streaming and recording processor for capturing and distributing AV sources and presentations as live streaming or recorded media. Featuring up to five input connections, the SMP 351 allows users to create high-impact presentations by combining two high resolution signals, a background image, and metadata into dynamic layouts delivered on a single output signal. With Extron's FlexOS operating system, the SMP 351 is highly adaptable to new requirements using installable control applications. A comprehensive combination of signal processing, streaming, recording, and control features make the SMP 351 integration-friendly, as well as easy to control and operate. Requiring no licensing fees, the SMP 351 has a low cost of ownership making it a flexible, cost-effective solution for delivering presentations to a wider audience.

High Resolution AV Processing

The SMP 351 combines two high resolution video signals selected from up to five available sources with mixed audio, a PNG background image, and metadata into a single blended output signal. High quality scaling and two-window processing supports flexible source presentation in picture-in-picture or picture-by-picture arrangements at resolutions up to 1080p/30. Select from as many as sixteen customizable layouts from the front panel or an external control system.

Flexible Recording and Streaming

The SMP 351 can record and stream simultaneously. It creates MP4 (M4V) media files that can be saved to the internal 80 GB solid state storage, an external USB drive, or a defined network storage directory. The SMP 351 can also stream at two resolutions concurrently, supporting overflow or streaming distribution applications using high to medium bit rates, or confidence viewing using low bit rates. A range of streaming protocols and session management options are available to support different streaming configurations and network conditions.

Integration for Presentation and Recording Workflows

The SMP 351 offers advanced signal processing and control features, which simplify management in presentation systems and recording workflows. Schedules can be entered manually or automatically updated using the iCalendar file format. Encoding and recording presets simplify configuration and management from a control system. An HDMI output connection presents a preview of the blended source layout with audio that is streamed and recorded.

Content Management and Playback Options

The SMP 351 produces MP4 (M4V) media files, which are compatible with virtually any media player software and popular content management system. It integrates directly with the Opencast Matterhorn lecture capture AV management system, and can process and manage impromptu AV recordings with Extron's Streaming Content Manager – SCM software.

FEATURES

- Process two high resolution AV signals from up to five available input connections
- Stream and record simultaneously
- High quality scaling with flexible two-window management
- Produces MP4 media files that are compatible with virtually any media player
- Flexible I/O ports for advanced AV system management
- License-free operation contributes to a low cost of ownership
- Save recorded media to the internal 80 GB solid state drive, an external USB drive, or a defined network storage directory
- Record and stream at resolutions from 480p to 1080p/30
- Supports HDMI, component HD, composite, and optional 3G-SDI signal formats
- Easy to configure and operate using the front panel, embedded web page, or external control system
- Stream at high and low resolutions and bit rates concurrently supporting overflow and confidence viewing applications
- Extron FlexOS embedded operating system provides a platform that is highly-adaptable to new requirements
- Manage AV recordings using Extron Streaming Content Manager – SCM
- Mark chapters and notable events during recording sessions
- Produces JPEG thumbnail images for use in enhanced playback experiences from the Extron Media Player - EMP
- HDMI preview output signal presents a confidence view of the blended source layout with mixed audio
- HDMI-embedded stereo or analog stereo audio input and output connectors
- Audio mixing and DSP functionality
- Integrates directly with the Opencast Matterhorn lecture capture AV content management system
- SMP 351 recordings are compatible with third party content management systems including Kaltura, iTunes-U, Blackboard LMS, SharePoint, CaptionSync, YouTube, Moodle, and RSS feed
- Schedule recording and streaming events using the iCalendar file format
- RS-232 and digital I/O control ports interface with control systems, sensors, and external devices
- Install Extron FlexOS applications to automate SMP 351 operation using control ports

Model	Version Description	Part Number
SMP 351	Standard Version	60-1324-01
SMP 351 3G-SDI	with 3G-SDI Input	60-1324-02