

# X85<sup>™</sup>

## Multiple Application Video and Audio Processor



### Do Even More with Just 1RU

Building on the proven capabilities of its industry-acclaimed predecessor, the X75<sup>™</sup> synchronizer/converter, the X85<sup>™</sup> maintains the functionality, flexibility and format-friendly design of the original, and adds all-new features to keep it — and your operation — in pace with the changing market.

The X85 frame synchronizer and converter features eight AES inputs and outputs with up to 32 channels of internal audio processing — and packs the industry's most advanced technology into its space-saving 1RU frame.

Dual-channel processing ensures maximum efficiency. An affordable, linear frame rate conversion option converts 59.94 Hz and 50 Hz-based signals. For live productions, a profanity-avoidance option delays the program, giving the operator time to “bailout” to an alternate signal in master control. And software-enabled 3 Gb/s upgrade capability enables an easy, economical move anytime you're ready to make the transition to 1080p.

With the X85, you get everything you need to maintain your competitive edge today and tomorrow — no matter what the future has in store.

### FEATURES

- 3 Gb/s ready
- Up-, down-, frame rate and cross-conversion
- Auto-detected inputs
- Single-, dual- and multiple-path processing
- Up to 32 channels of audio processing
- Embedded audio processing
- Up to eight AES inputs and outputs
- Audio metadata processing and generation
- Optional Dolby<sup>®</sup> E/AC-3 codecs
- Optional DTS Neural Surround<sup>™</sup> UpMix, DownMix and MultiMerge, as well as DTS Neural Loudness Control
- Linear frame rate conversion option
- Program delay option
- Color corrector option
- Logo generator/inserter and I-Wings integrated side panel fill
- Optional dual fiber input and output
- Video and audio test generators with optional V2A lip-sync measurement
- MPEG-4 streaming option for monitoring purposes
- DVI-D output
- Redundant power supplies
- Closed captioning and DVB Teletext
- Test generator
- Upgrade option for X75



## Part of the Harris 3 Gb/s Family of Products

The X85 is part of the Harris family of 3 Gb/s products. From signal processing and routing to multiviewers and fiber solutions, Harris offers the industry's most comprehensive range of cost-effective 3 Gb/s-ready solutions — enabling broadcasters to easily and affordably migrate to the emerging 1080p high-definition format.

## Single-, Dual- and Multiple-Path Video Processing

The X85 provides unprecedented flexibility for any video processing application. For frame rate conversion or profanity delay avoidance, a single input is processed to all outputs. If up-, down- and cross-conversion is required, the X85 processor's dual-channel capability enables users to do much more in less space. And up to five paths can be routed through the X85 for frame sync applications for hybrid facilities. The easily redeployed X85 is ideal for mobile, news, ingest and output processing at a variety of broadcast centers including television stations, cable and satellite facilities and production houses.

## Multichannel Audio Processing

With up to 32 channels of internal processing, the X85 offers unsurpassed audio capability. Audio sources can be selected from embedded audio inputs and AES inputs.

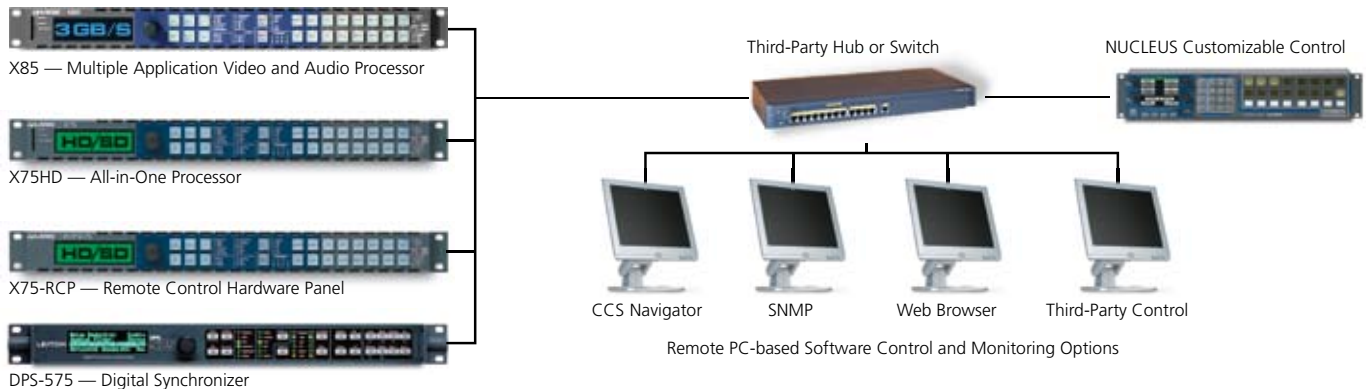
For Dolby® applications, a Dolby® E/AC-E decoder and Dolby® E or AC-3 encoder can be added with full audio metadata processing. Also available are add-on options for DTS Neural Surround™ UpMix, DownMix and MultiMerge, as well as DTS Neural Loudness Control.

All audio parameters are controlled from an easy-to-use front panel menu. Four separate audio tone generators enable different frequency test tones to be applied to each channel for easy left/right channel identification.

## Effortless Control

Control and monitoring of signals passing through the X85 are enabled using IP over Ethernet, and instant operator control from the local or remote control panels allows for easy manipulation of video and audio signals. Using two Ethernet ports per unit (one for control, monitoring and video thumbnails, and one for video and audio streaming) makes PC control and monitoring over large networks entirely manageable. A built-in Web server and optional SNMP are industry-standard means of controlling and monitoring the X85 over Ethernet.

Harris® CCS Navigator™ software further enhances the remote control aspects of the X85 for any application. The NUCLEUS™ network control panel allows complete customization, enabling the user to tailor the control interface to the specific X85 application.



For more information, please visit [www.broadcast.harris.com/X85](http://www.broadcast.harris.com/X85).

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