Xaris™
Affordable Broadcast Quality Automated Video Server with Single or Dual Channel SMPTE 292/259M SDI and or HD-SDI I/O. Records and Plays in a Scheduled or Sequential Mode. Supports H.264 or MPEG-2 Video Formats and Embedded Audio. Provides File Compatibility with Final Cut Pro and Adobe Premier. Organizes Media Assets via our AssetBase. Designed to Provide a Simple Reliable Content Playout for TV Stations and Cable Head-Ends.

Features
- 1 or more SDI/HD-SDI inputs
- 1 or more SDI/HD-SDI outputs
- Up to 16 channels of Embedded Audio per video channel
- VTR control for control and capture from tape
- Playlist for advanced play out
- Scheduler for capture and playback
- Import video via “Watch Folder” for play out without need of transcoding
- Supported video formats: MPEG-2, H.264, DV, and DVCPRO
- Auto proxy creation for capture and imported content
- AssetBase to manage metadata and content
- Clip viewer to help preview or identify high res content without sacrificing a high resolution channel
- All video processing is done in software:
  - Encoding/decoding
  - Muxing/demuxing
  - Up conversion, down conversion
  - Frame rate conversion
  - Color space conversion, etc.
- Generates an as-run log for every playlist
- Multiple codec support, plus the ability to add support for additional video formats
- Modular design -- buy only the components you need: capture, playback, VTR control, playlist, archive manager, etc.

Applications
- “Master” playout server
- Upgrade or expand your SD infrastructure to HD
- Commercial insertion
- Post production integration
- VTR for general broadcast applications

Overview
Reliable playout servers are a key part of any broadcast operation. Large companies have dominated the playout server market, since storage hardware has been very expensive and large scale software development was needed. Today, large scale storage is relatively inexpensive and software can be written with efficient high level compilers that alleviate the software development task.

Xaris™ provides a simple and intuitive way to capture your content from cameras, VTR tapes or simple video file import. The modular design can adapt to your current workflow and help you expand your TV station from a single channel to hundreds of channels.

Just drag and drop files from the Xaris AssetBase into your Xaris Channel window to play out your content. Xaris ClipViewer previews the content without sacrificing any high resolution channels. It can also be used to edit the clip metadata. AssetBase helps you maintain a record of your content with helpful and editable metadata. The metadata includes important fields such as name, description, duration, format, expiration date and more.

Playing out your programming is as easy as opening a playlist, importing your traffic file and pressing start. An as-run log is generated for every playlist so you can keep track of the time an asset was played and bill for aired commercials. The Playlist lets you edit your list at the last minute as it airs your material. It has clear indicators of what is currently on air and cued. Each playlist has an easy to view POD count down and current remaining time of the on-air spot. Our smart player allows the playback of mix formats such as MPEG-2, H.264, DV, DVCPRO and more, and a mix of HD and SD on the same playlist.

Our Xaris MediaFlow allows you to import any media content into Xaris Media Server without transcoding and ready for play out. It can easily integrate with systems that deliver syndicated content via FTP or watch folder.
Software Modules

Recorder

Player

ClipViewer – Previews Content

Schedule Recording

PlayList – Organizes Play Out

Schedule Playback

AssetBase – With Metadata Fields to Organize Assets

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**Software Modules – Continued**

**VTR Control** – To Capture Material Stored in Tapes

**Archive Manager** – Provides Archiving Functionality to Existing Systems Such as Front Porch Digital

**Create Subclip** – For Shorter Versions of Video Clips

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**Inputs/Outputs**

**One Channel System**

SDI/HD-SDI In

SDI/HD-SDI Out

**Two Channel System**

SDI/HD-SDI In

SDI/HD-SDI Out

**Specifications**

<table>
<thead>
<tr>
<th>SDI or HD-SDI Input/Output</th>
<th>Input/Output: 8/10 bit SD and HD</th>
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<td>SDI/HD-SDI</td>
<td>SMPTE 259M and 292M, 270 Mb/s and 1.5Gb/s</td>
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**Physical & Power – One Channel System**

Size: 19” rack mounted, 1 RU high

Voltage: 100-240V, 4-2A, 60-50 Hz, 220 watts

Operating Temp.: 10°C to 35°C

Non-operating Humidity: 20% to 90% non-condensing

Conformities: UL, BSMI, CSA, FCC, CE, RoHS

Weight: 15 lbs.

**Physical & Power – Two Channel System**

Size: 19” rack mounted, 3 RU high

Voltage: 85-265 VAC/50-60Hz, 50 watts

Operating Temp.: 0°C to 50°C

Humidity: 5% to 95% non-condensing

Conformities: UL, CSA, CE, RoHS

Weight: 30 lbs. (13.6 kg)

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**Ordering Information**

Xaris One Channel system – 1 RU

Xaris Two Channel system – 3 RU

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