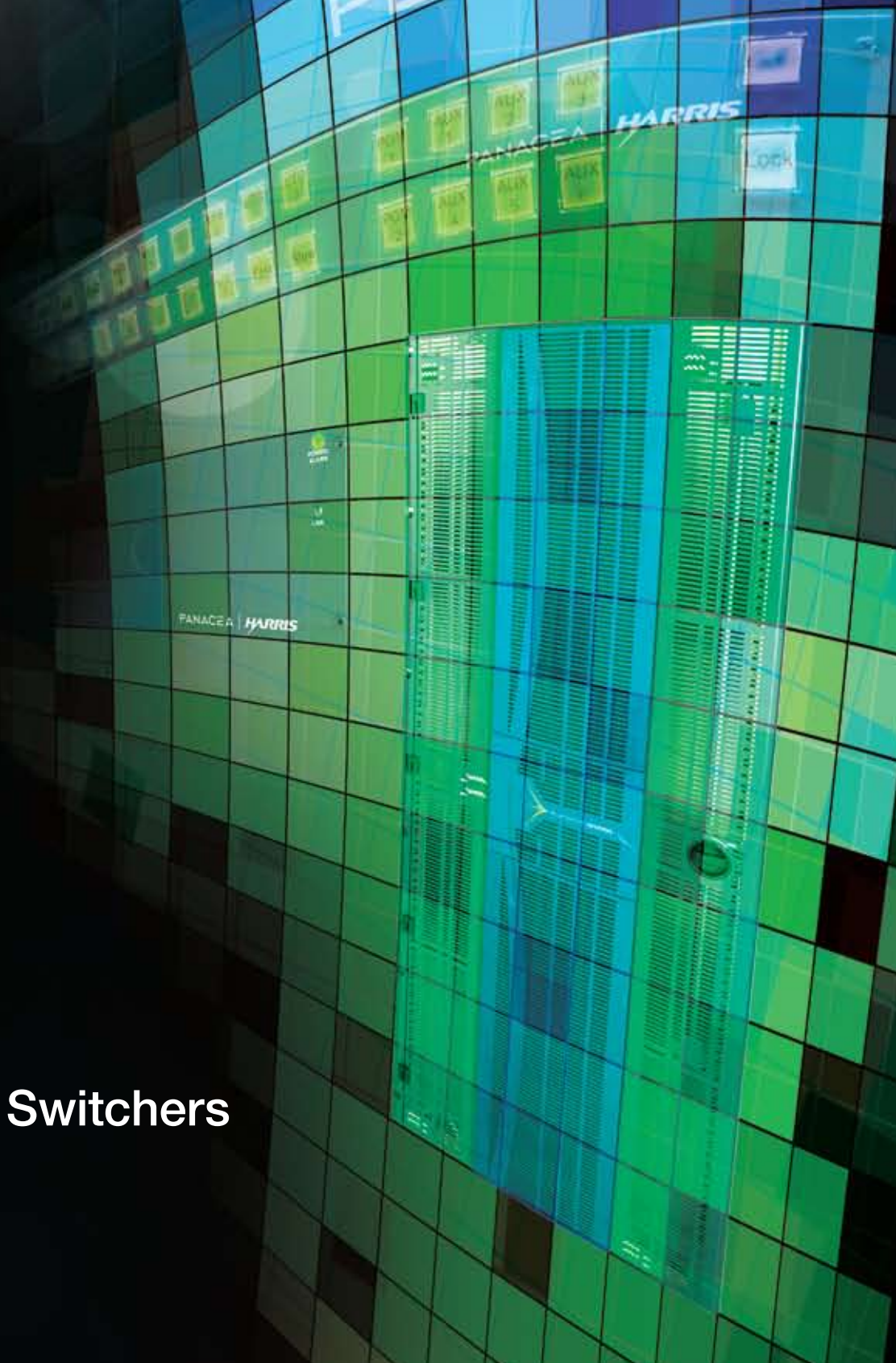


HARRIS[®]

PLATINUM[™]



Routing Switchers

Open the Door to a World of Innovative, Industry-Leading Routing Solutions

From the number one small-scale router on the market, Panacea™, to the innovative Platinum™ medium-to-large-scale router, which boasts single-frame integration of routing, processing and multiviewing, the Harris routing switcher portfolio is designed to tackle your most demanding routing needs. On the job 24/7 at network, local broadcaster, mobile production, cable, telco and government applications around the world, our routers are built on scalable, future-proof architectures, delivering an unparalleled level of flexibility and value that helps your operation work smarter and more efficiently.

Platinum™ and Platinum™ MX — Integrated, Multiformat Routing in All Matrix Sizes

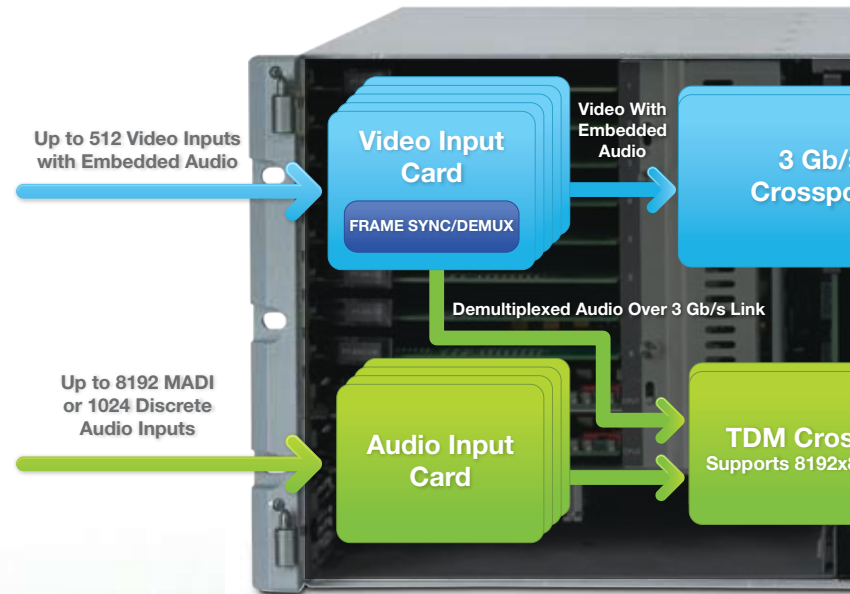
Benefits

- Wide range of frame sizes – Supports a variety of matrix requirements (up to 512x512 video in 28RU; up to 256x256 video in 15RU; up to 128x128 video in 9RU; and up to 72x64 video in 5RU)
- Frame sync input card – Reduces space requirements and complexity in your facility
- Router matrix expansion functionality – Enables cost-effective expansion of outputs
- MADl support – Simplifies audio interconnects between production audio consoles and the router to better support high-density audio
- Internal mux/demux capability – Provides discrete audio functionality in a single-frame solution
- Integrated multiviewer technology – Simplifies system design and wiring requirements
- Built-in automatic A/D and D/A for audio and video – Eliminates need for external conversion
- Each I/O can support fiber or electrical connectivity – Allows for complete configuration flexibility
- 3 Gb/s performance from any input to any output – Future-proofs your investment

The first internal mux/demux capability, the first and only integrated multiviewer, the first and only integrated frame sync — Harris continues to add to the Platinum™ router's resume of "firsts" to deliver unsurpassed value for your medium-to-large-scale routing needs. Harris has simplified the systems environment by integrating vital elements within the framework of the Platinum router. The result is a highly robust architecture with the flexibility required to handle every signal, every format, every time.

All Platinum frames provide independent signal paths and crosspoints for audio and video, allowing complete versatility regardless of matrix size. Designed to support high-quality routing of all analog and digital video and audio signals, as well as 3 Gb/s, Platinum seamlessly integrates the capabilities of a discrete audio infrastructure in a fully embedded video plant without the need for a secondary audio frame.

Platinum A



Platinum Firsts

- First router to provide an internal mux/demux capability
- First and only router with an integrated frame sync option
- First and only router to offer an internal multiviewer system

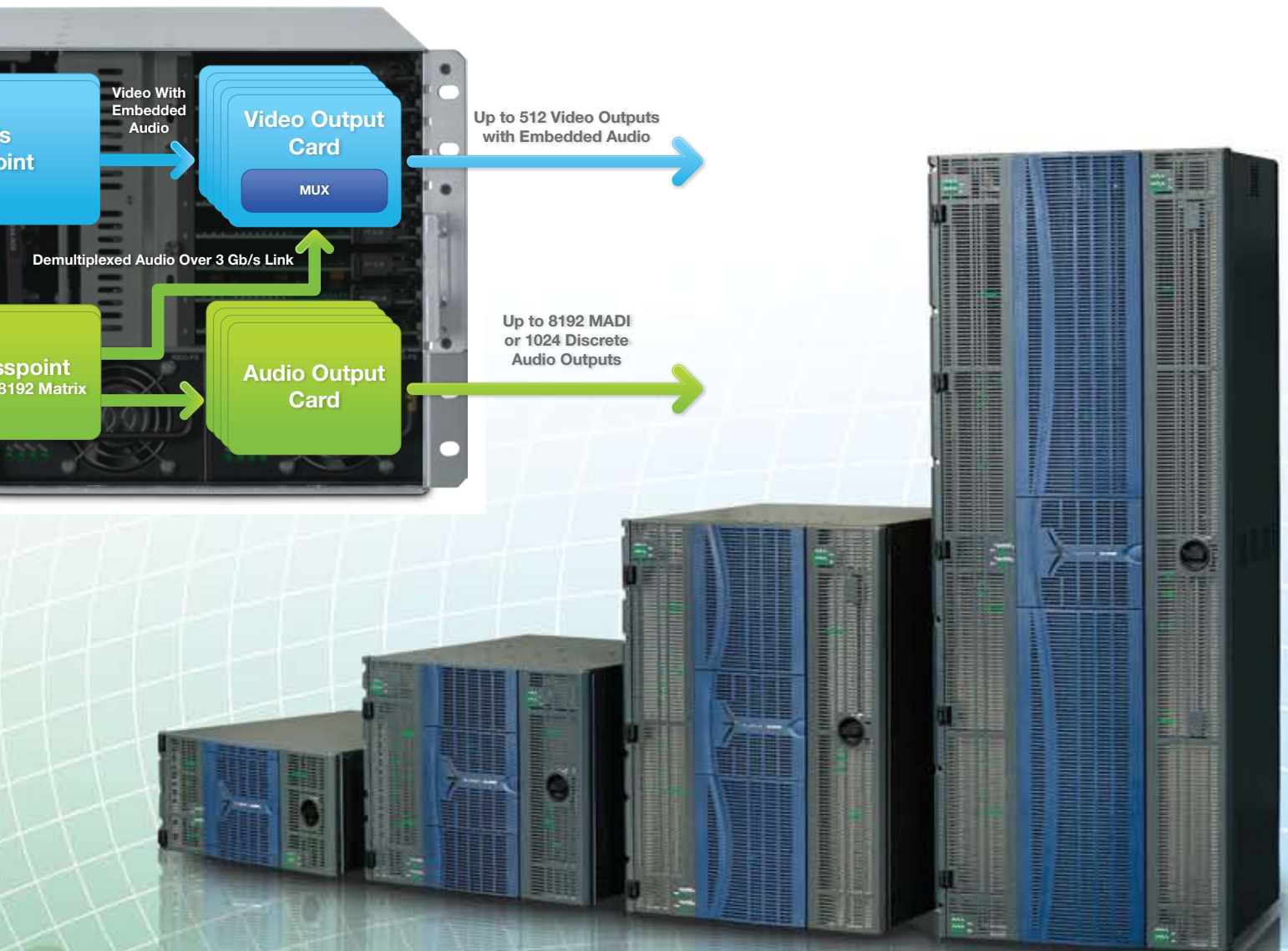
World's First Embedded Audio Processing Router

Platinum combines the best of both high-bandwidth video signal routing and an internal TDM architecture to provide the world's first embedded audio infrastructure router. By providing parallel signal paths and dedicated, redundant crosspoints for both audio and video within a single frame, Platinum can demux incoming embedded audio signals internally. All audio within the frame is presented to the TDM M•A•X crosspoint, routed independently and discretely, and can be multiplexed within the router into any digital video output. Additionally, utilizing the TDM M•A•X crosspoint, Platinum can perform phase reversal, swap, sum and "quiet" breakaway switching of the audio between any discrete or embedded input, and provide gain/level adjustments on a per-channel basis. The ability to process and route both discrete and embedded audio within the Platinum frame eliminates the need for racks of external equipment and saves on space, cabling, troubleshooting and maintenance.

World's Only Integrated Frame Sync

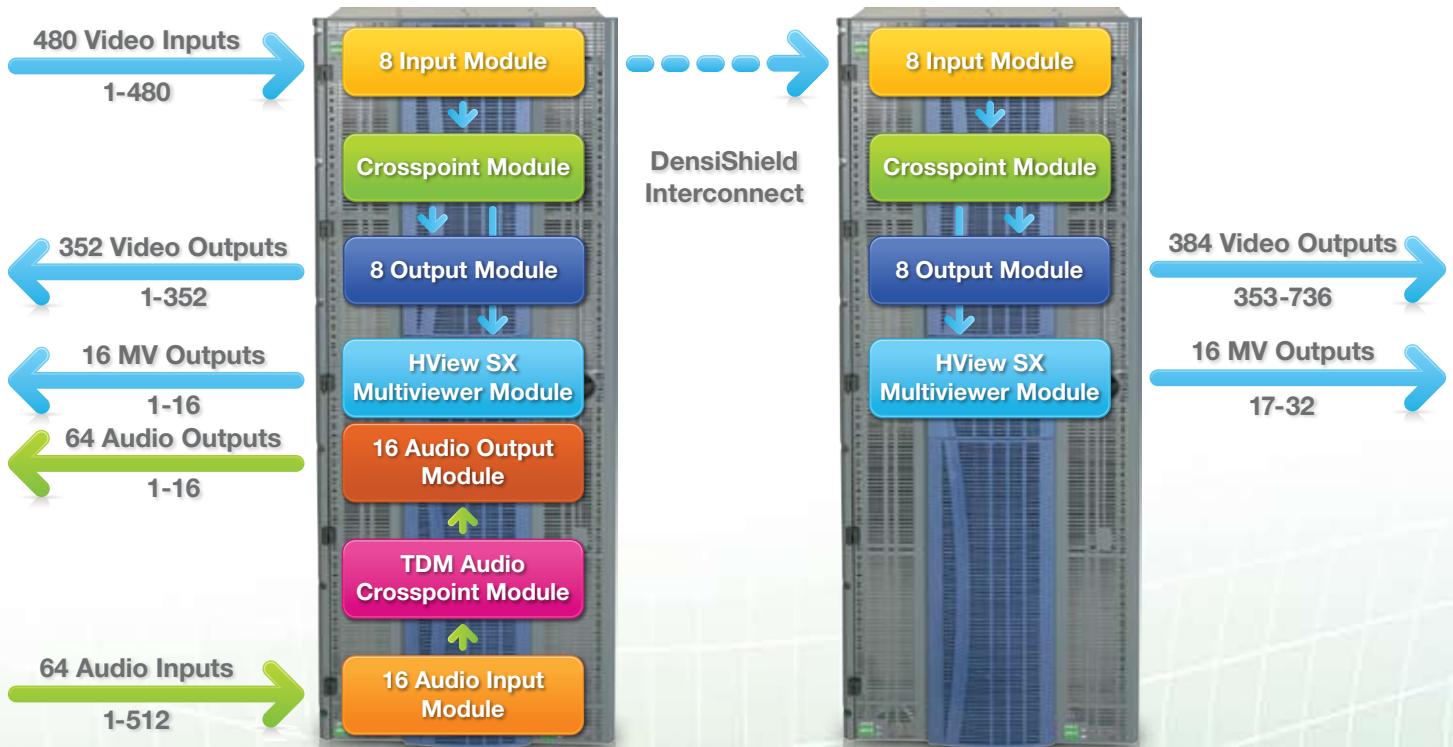
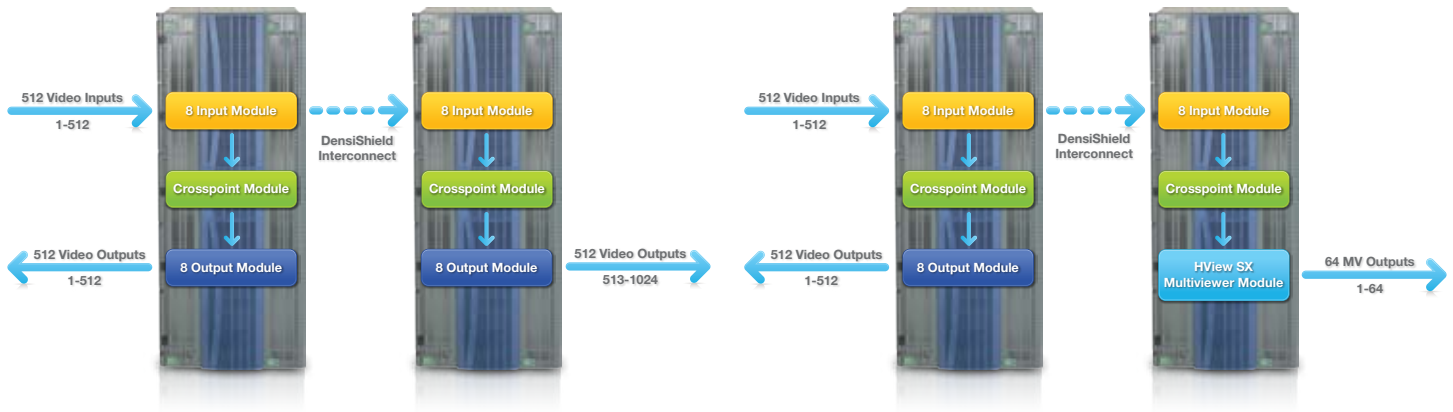
The Platinum router offers an eight-channel frame sync input card that allows up to eight wild video signals to be synchronized to house reference without the use of external frames or wiring. This optional card also will perform demultiplexing of up to 16 channels of embedded audio in each video stream that can then be routed independently and discretely. ASI, SD, HD and 3 Gb/s signals are supported, as are coax and fiber connectivity. Backward-compatible with all Platinum frames, this flexible card significantly reduces complexity in the facility. Together, the frame sync and mux/demux functionality enable optimal synchronization of audio and video, delivering highly streamlined customer workflows.

Architecture



New Router Matrix Expansion Capabilities

The Platinum router's video matrix can now be expanded up to 512x1024. Due to the integration of large monitor walls and multiviewers, today's routing systems often require a greater number of outputs compared to inputs. The Platinum router's new rectangular matrix expansion functionality supports these requirements by greatly extending output capabilities. By utilizing this new technology, two Platinum frames can be easily tied together — without the addition of any processing frames — to create up to a 512x1024 video matrix. Both coaxial and fiber connectivity are supported and can be utilized as needed. The new matrix expansion capability delivers a high level of flexibility, as any of the outputs can support dedicated routing or multiviewer functions. No other router provides a more integrated routing, processing and multiviewer solution.

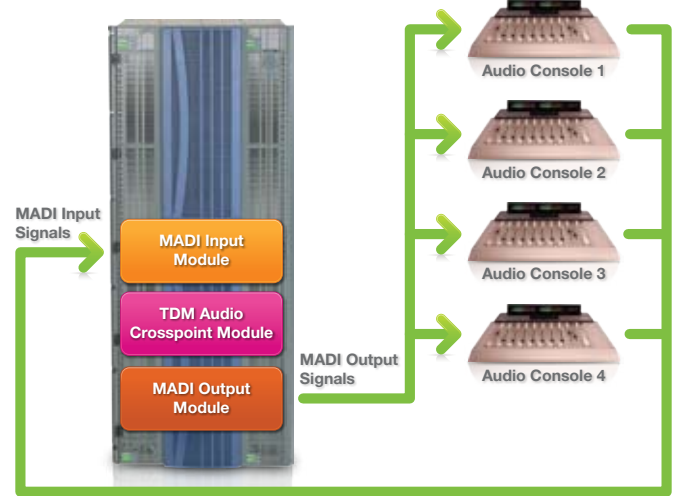


World's Only Integrated Multiviewer

Platinum is the only routing system in the world to offer an internal multiviewer system. The HView™ SX Hybrid multiviewer modules reside in the Platinum frame, seamlessly providing outstanding multiviewer performance for all inputs presented to the router. HView SX Hybrid delivers a lower-cost solution, simpler system design and a more efficient use of space — multi-image processing, routing, graphics and an unrivaled monitoring toolkit are all available in one chassis — making it ideal for broadcast video and audio monitoring, master control rooms, broadcast trucks and events. Each multiviewer output provides up to 32 discrete PiP (picture-in-picture) images that are controlled from the router control system in the same way as dedicated outputs — creating a user-friendly experience for operators.

MADI Support

The Platinum router offers an input and output card set that supports the Multichannel Audio Digital Interface (MADI) protocol for carrying multiple channels of digital audio on a single cable or fiber. Each input module accepts up to four MADI inputs and then generates a 128-channel TDM stream from the decoded audio. The output module encodes up to 128 TDM audio channels into up to four MADI outputs. Fiber and coax connectivity are supported. MADI provides simplification of audio interconnects between production audio consoles and the router, a key function as you tackle high-density audio and migrate toward an embedded audio infrastructure.



24/7 Solid Reliability

Platinum routing frames are designed for harsh operation (including mobile truck environments) and feature front-loading, hot-swappable modules for ease of serviceability. Employing the latest technology, Platinum allows more functionality at lower power consumption, and is supported by redundant, load-sharing power supplies. Airflow is from front to back, with each fan individually replaceable without taking the system offline. For further reliability, Platinum I/O modules are based on eight inputs or outputs, thereby limiting the number of signals affected by any single module. Each Platinum frame supports redundant control, and redundant crosspoints are available in most configurations.

Easy System Configuration and Programming

Harris router control systems make even the most complex router configuration simple and intuitive to implement and maintain. Among the powerful tools available for administering systems are low-level discovery of available hardware, allowing database creation and maintenance to be accomplished from the engineer's desk; and automatic wizard-based creation of logical source assignments for demultiplexed audio levels. The database editor interface provides access to the Platinum router's distributed control architecture, which drives router frames and control surfaces without reliance on a centralized controller. Each Platinum frame features redundant control modules that store configuration information related to that frame in non-volatile memory — protecting your crucial configuration information and current routing status. This topology also allows control panel communication to be distributed throughout the facility, eliminating single points of failure.

Panacea™ —

Industry's Largest Selection of Small-Matrix Routing

Benefits

- 3 Gb/s performance at HD-SDI prices — Delivers more functionality at a lower cost and future-proofs your investment
- Widest range of matrix sizes (8x8 to 256x4) in the industry — Allows for complete customization
- Mixed-format routing in single frames — Supports A/V requirements easily
- Control via Ethernet, coax X/Y and serial standard — Provides superior flexibility
- Only 5.25-in. (13.3 cm) deep — Delivers a small-frame footprint ideal for space-constrained operations

Ultra-compact, ultra-affordable and offering the largest selection of small-matrix routing in the industry — it's no wonder that Panacea™ has been the number-one-selling small router worldwide for more than a decade. Analog and digital video and audio routing are available independently and as mixed-format devices. Matrix sizes from 8x8 to 32x32 are supported in all formats, in addition to 16x4 and 32x4 monitoring matrices. High-definition digital video is supported from 3 Mb/s to 3 Gb/s to ensure that your installation is future proof and offers a clear growth path from ASI and SDI to HDTV. Every Panacea frame has the option of internal, external or DC power supplies and integrates seamlessly with Harris router control systems. Local and remote control panels are available for all matrices to suit your every control requirement.

Panacea™ Lite

Mixed-Format, Broadcast-Quality 12x1 Utility Routing

For low-cost utility routing applications that still require superior broadcast quality, Panacea™ Lite is the ideal choice. With its small 1RU footprint, Panacea Lite has a frame depth of only 5.25 inches, making it ideal for either front- or rear-rack mounting. Both video and audio can be housed in the same 1RU frame for maximum space efficiency. Single-format models are also available. Local and remote control panels enable you to tailor the control system to meet your requirements.



Panacea™ Embedded Clean/Quiet Switch

Industry's First and Only Dual-Channel, Relay Bypass-Protected Switch

Offering support for today's multiformat applications, the Panacea™ embedded Clean/Quiet Switch provides two clean and quiet outputs for SDI and HD-SDI signals with embedded or discrete audio. This unique feature permits routing of SDI and HD-SDI signals simultaneously in HD-SDI wideband versions, allowing full use of your clean switch investment while transitioning from SDI to HD-SDI. The two copies of both clean outputs can be combined with flexible partitioning options of the 16 inputs to fit any multiformat application.

Auxiliary Output Buses Offer Enhanced Versatility

Six auxiliary outputs are available for preview of both clean outputs, as well as additional outputs for secondary destinations. This creates a truly powerful solution in an extremely compact package.

Full, Embedded Audio Control Allows Total Signal Management

Embedded audio demultiplexing and processing provide quiet switching to complement the clean video performance. Full control of the audio levels, audio fade options and channel assignment is provided for complete management of your embedded audio content. A variety of transitions with variable transition rates for both video and audio (including dissolve, "V" fade, cut-fade, fade-cut and cut) allows total customization of your output signals.



ONE Company for Workflow Solutions Throughout the Media Chain

Harris is the ONE company delivering interoperable workflow solutions across the entire media delivery chain — providing today's broadcaster with a single, integrated approach to capitalize on the benefits of IT and mobile applications. By providing unparalleled interoperability across our product portfolio, Harris is able to offer customers integrated solutions that improve workflows, save money, enable new revenue streams and provide a migration path to emerging media business models. To meet the evolving needs of broadcast, distribution, government agencies and entertainment businesses, Harris is the ONE answer for change.

Service And Support

At Harris, we are committed to customer service excellence. It is our goal to provide the highest level of support by applying a simple rule: We take ownership of helping our customers succeed. Our support teams consist of innovative technical experts who support all situations regarding product performance, integration and operational processing. We are adept at providing proven solutions, making workflows better and ensuring reliability of the product and system. At Harris, our experienced and dedicated teams stand ready to help you meet your goals for premium product performance, 100% up-time and reduced maintenance investment.

Warranty

Because we want to assure you that Harris stands beside its products and system solutions, our products carry a standard set of warranty services, which are competitive with — and in some cases outperform — others in the industry.

Service Packages

We offer value-add services that allow you to customize the level of services you need in meeting mission-critical performance levels. Our service package options offer many ways to upgrade your standard warranty by choosing the All-Inclusive OnePak, or by selecting individual services from our extensive portfolio. Our service and support advisors can assist in the selection of the individual services that best suit your requirements.

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For more information, please visit www.broadcast.harris.com/routers.

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