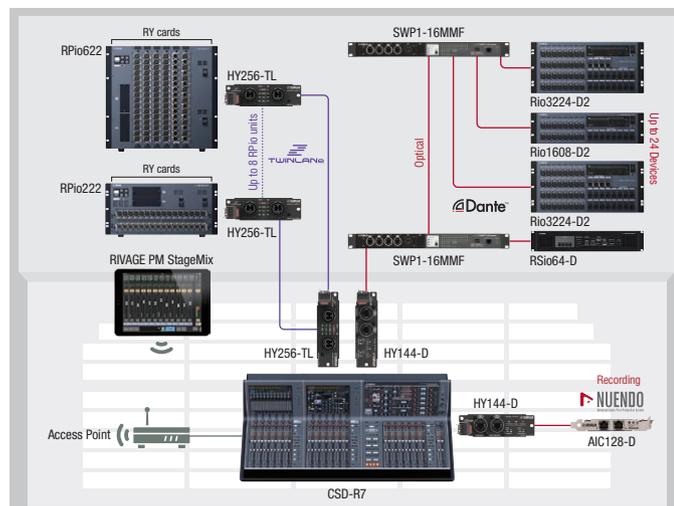# A New Level of I/O Performance

YAMAHA

The Yamaha Rio3224-D2 and Rio1608-D2 are high-performance I/O Rack units
with built-in Dante audio networking. Designed and manufactured to achieve outstanding sonic
transparency in keeping with Yamaha's "natural sound" philosophy, they play a vital role in supporting
the creative capabilities of the associated console, and offer extensive freedom for placement and multi-unit combinations.
The Rio3224-D2 and Rio1608-D2 are not only standard components of the RIVAGE PM7 Digital Mixing System,
but are also fully compatible with CL and QL series digital mixing consoles,
offering excellent audio and operational performance that makes the most of Dante networking potential.
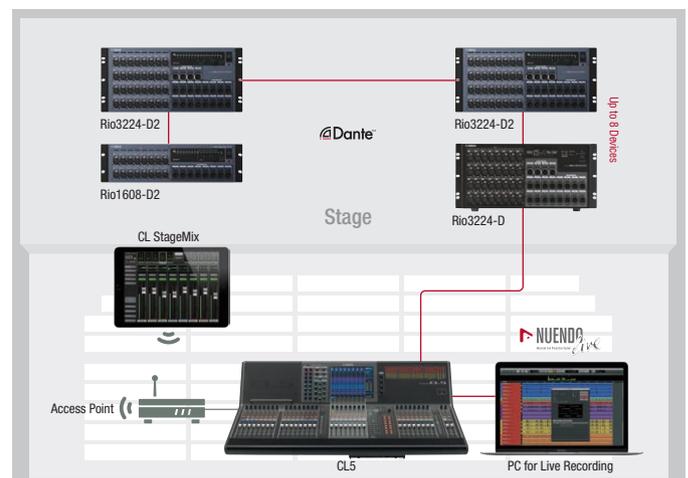
I/O RACK

Rio3224-D2
Rio1608-D2

In a RIVAGE PM system the Rio3224-D2 and Rio1608-D2 provide
96 kHz support and can coexist alongside TWINLANe equipment.

The Rio3224-D2 and Rio1608-D2 can be combined with previous-
generation I/O racks in CL/QL based systems, taking advantage of
the simplicity and flexibility of Dante networking.

RIVAGE PM Series Audio Quality Boosts Creative Freedom

Yamaha's unwavering approach to live sound reinforcement is wholly inherited in the Rio3224-D2 and Rio1608-D2 I/O Racks, allowing the on-stage sound to be cleanly captured and then shaped as required by the engineer. Analog circuitry developed for the first-generation I/O Racks has been revised to deliver sound that represents another evolution in Yamaha's "natural sound" concept, and overall performance that is truly worthy of "RIVAGE PM series" status.

Dante Network Protocol for Flexible System Setup

Audinate's Dante network protocol offers extensive flexibility for system setup and configuration. With Dante, you have the freedom to use just about any combination of devices that suits the application, and to position those devices wherever they will be most convenient. It also allows for redundancy that can keep the system running even if a problem occurs. Then there's the Dante Controller software application for easy, flexible patching of devices on the network. Dante also supports the AES67 standard for audio over IP interoperability, so it can communicate with other compatible networks. Other valuable facilities include Dante Device Lock to prevent unauthorized operation, and the Dante Domain Manager for efficient user authentication and role-based security.*

*Visit the Audinate website for more Dante Domain Manager information.

Dual Redundant Power Supplies and Improved, Quiet Airflow

Power failure is a major risk when operating any audio I/O device.
Both the Rio3224-D2 and Rio1608-D2 I/O Racks include dual power supply units to reduce the chance that power loss will result in downtime during a show.
If a problem occurs with one power source, operation will continue unaffected as long as the second power source is active. Internal airflow has been redesigned too, reducing fan noise for notably quieter operation.

Character Displays and Control Improvements

Another Rio3224-D2 and Rio1608-D2 refinement is the provision of character/icon displays rather than basic LED indicators, allowing quick, easy confirmation of Dante settings as well as metering, gain, high-pass filters, phantom power, and more. It is also possible to edit gain, high-pass filters, and phantom power settings directly from the I/O Rack interface, and even lock them if required. Remote operation from the R Remote software application is also possible.

Remote Parameter Editing with "R Remote"

R Remote is a software application that allows comprehensive remote editing of Rio3224-D2 and Rio1608-D2 parameters, as well as those of other Yamaha R-series I/O Racks.
With R Remote, I/O Rack preamplifier parameter editing that would normally require a remote capable console or processor can be carried out directly from a computer. This can be particularly convenient in systems that do not include a console.

Official Yamaha Pro Audio Instagram Account

The Yamaha Pro Audio Instagram page showcases the leading Yamaha technologies that continue to support sound engineers and music lovers worldwide.

@yamaha_proaudio_official

YAMAHA

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