

Overview

The Ro8-D Output rack employs Dante network audio protocol for exceptional flexibility and freedom in setup and placement, while delivering natural, musical sound that brings out the full sonic potential of mixing consoles and other system components.



Rear Panel

Features

- 1U size, 8 outputs.
- Dante network protocol contributes to greater system scalability and flexibility
- Support for CL/QL series consoles as well as other Dante based systems
- Four models (Rio3224-D, Rio1608-D, Ri8-D and Ro8-D) flexibly accommodate any system requirements.

Specifications

General Specifications

Sampling Frequency	External	44.1kHz +4.1667%, +0.1%, -0.1%, -4.0%	±200ppm
		48kHz +4.1667%, +0.1%, -0.1%, -4.0%	±200ppm
		88.2kHz +4.1667%, +0.1%, -0.1%, -4.0%	±200ppm
		96kHz +4.1667%, +0.1%, -0.1%, -4.0%	±200ppm
Signal Delay	Less than 3ms INPUT to OUTPUT*1, connect with CL5 using Dante, Dante Receive Latency set to 0.25ms (one way), Fs= 48kHz		
Frequency Response	+0.5, -1.5dB 20Hz-20kHz, refer to +4dBu output @1kHz, INPUT to OUTPUT*1, Fs= 44.1kHz, 48kHz +0.5, -1.5dB 20Hz-40kHz, refer to +4dBu output @1kHz, INPUT to OUTPUT*1, Fs= 88.2kHz, 96kHz		
Total Harmonic Distortion*2	Less than 0.05% 20Hz-20kHz@+4dBu into 600Ω, Fs= 44.1kHz, 48kHz Less than 0.05% 20Hz-40kHz@+4dBu into 600Ω, Fs= 88.2kHz, 96kHz INPUT to OUTPUT*1, Input Gain= Min.		
Hum&Noise*3	-128dBu typ., Equivalent Input Noise, Input Gain= Max. -88dBu Residual output noise, ST master off.		
Dynamic Range	112dB typ., DA Converter, 108dB typ., INPUT to OUTPUT*1, Input Gain= Min.		
Crosstalk@1kHz	-100dB*4, adjacent INPUT/OUTPUT channels, Input Gain= Min.		
Dimensions (WxHxD)	480mm x 44mm x 359mm (18.9" x 1.7" x 14.13")		
Net Weight	4.4kg (9.7lbs)		
Power Requirements (wattage)	35W		
Power Requirements (voltage and hertz)	US/Canada: 120V 60Hz Japan: 100V 50/60Hz China: 110-240V 50/60Hz Korea: 220V 60Hz Other: 110-240V 50/60Hz		
Temperature Range	Operating temperature range: 0 - 40°C Storage temperature range: -20 - 60°C		
Included Accessories	Owner's Manual, Power Cord		

*1 INPUT to OUTPUT means Ri8-D INPUT to Ro8-D OUTPUT

*2 Total Harmonic Distortion is measured with 18dB/octave filter @80kHz

*3 Hum & Noise are measured with A-Weight filter.

*4 Crosstalk is measured with a 30dB/octave filter @22kHz

Analog Output Characteristics

Output Terminals	Actual Source Impedance	For Use With Nominal	Max. Output Level Select SW*1	Output Level		Connector
				Nominal	Max. before clip	
OUTPUT 1-8	75Ω	600Ω Lines	+24dB (default)	+4dBu (1.23 V)	+24dBu (12.3V)	XLR-3-32 type (Balanced)*2
			+18dB	-2dBu (616mV)	+18dBu (6.16V)	

*1 There are switches inside the body to preset the maximum output level.

*2 XLR-3-32 type connectors are balanced. (1=GND, 2=HOT, 3=COLD)

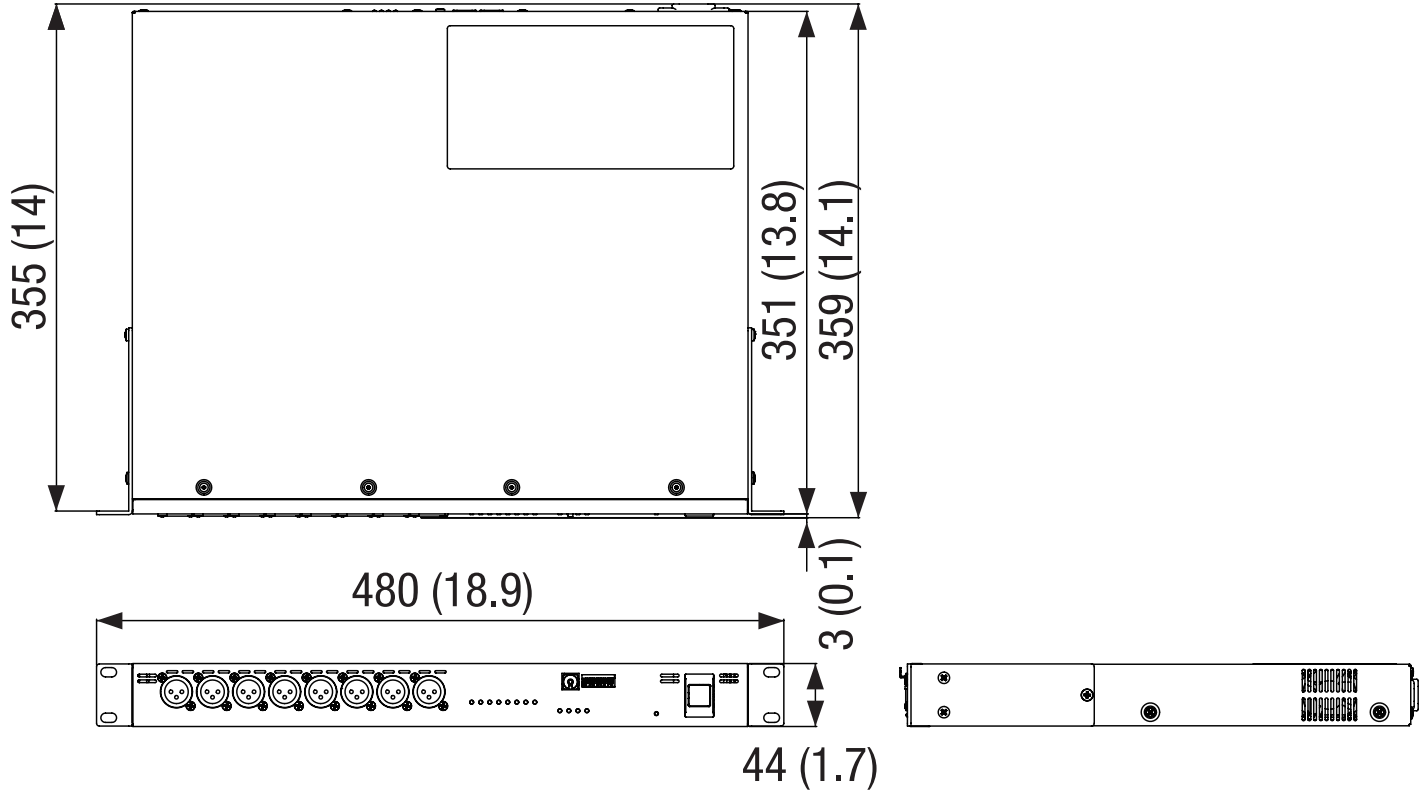
* All output DA converters are 24bit, 128times oversampling.

Digital I/O Characteristics

Terminals	Format	Data length	Level	Audio	Connector
Primary/Secondary	Dante	24bit or 32bit	1000Base-T	8ch	RJ45

Dimensions

Unit: mm (inch)



Software

- R Remote

Architectural and Engineering Specifications

The Yamaha Ro8-D shall be a 1U-size output rack with 8 analog outputs. It shall have built-in Dante digital audio networking capability and allow flexible, easy system setup. An “R Remote” software application shall be provided to allow remote control of R series I/O rack head amplifiers from a computer. Dimensions shall be 480 (W) x 44 (H) x 359 (D) mm. Weight shall be 4.4 kg.

*All information subject to change without notice.

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