RIVAGE PM10

Digital Mixing System

RIVAGE PM10

SYSTEM COMPONENTS

CS-R10
Control Surface

DSP-R10 `5U`
DSP Engine

RPio622 `10U`
I/O RACK

RY16-ML-SILK
Audio Interface Card
16-Channel Mic/Line Input Card

RY16-DA
Audio Interface Card
16-Channel Analog Output Card

RY16-AE
Audio Interface Card
16-Channel AES/EBU I/O Card

HY256-TL
Audio Interface Card
256-Channel TWINLANe
Network I/O Card

HY144-D *Dante*
Audio Interface Card
144-Channel Dante
Network I/O Card

An enormous evolutionary step for PM series live sound consoles.

- Hybrid Microphone Preamplifiers: A Solid Foundation for Superior Sound
- VCM Technology Models SILK Processing by Rupert Neve Designs
- Channel EQ and Compression Refined to Unprecedented Levels
- Plug-in Effects Include Rupert EQ/Comp, TC Electronic Reverb, and More
- The Complete Yamaha Selected Channel Interface
- Touch Screen and Fader Strip Merge for Intuitive Control
- A Monitor Section to Match Any Job
- Isolate, for Enhanced Scene Recall Versatility
- Overlay Filter for Rapid Response to Sudden Changes
- Two Convenient Approaches to Live Recording: 2-track on USB Flash Drive and Multitrack via Dante

CS-R10

Rear Panel

DSP-R10
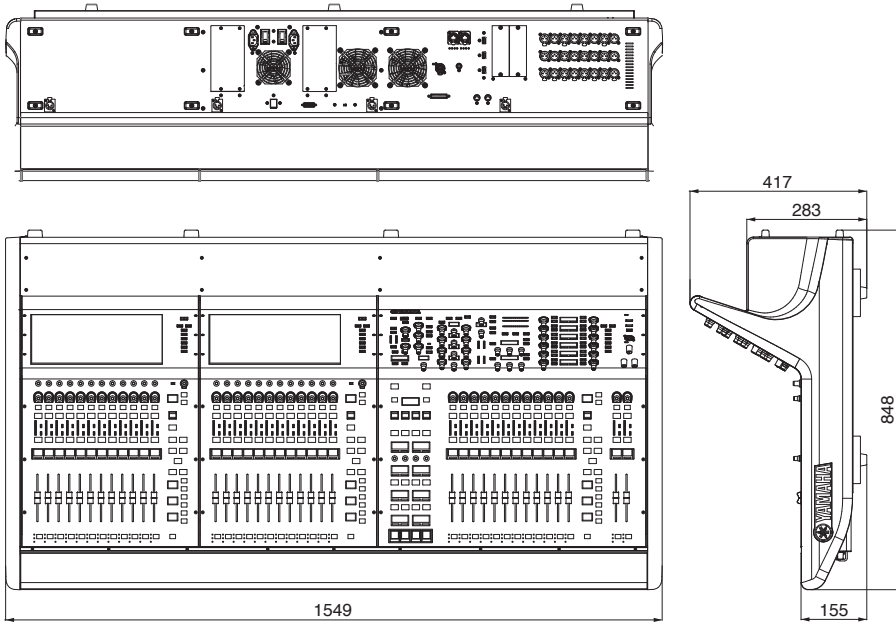

Rear Panel

RPio622

Rear Panel

GENERAL SPECIFICATIONS

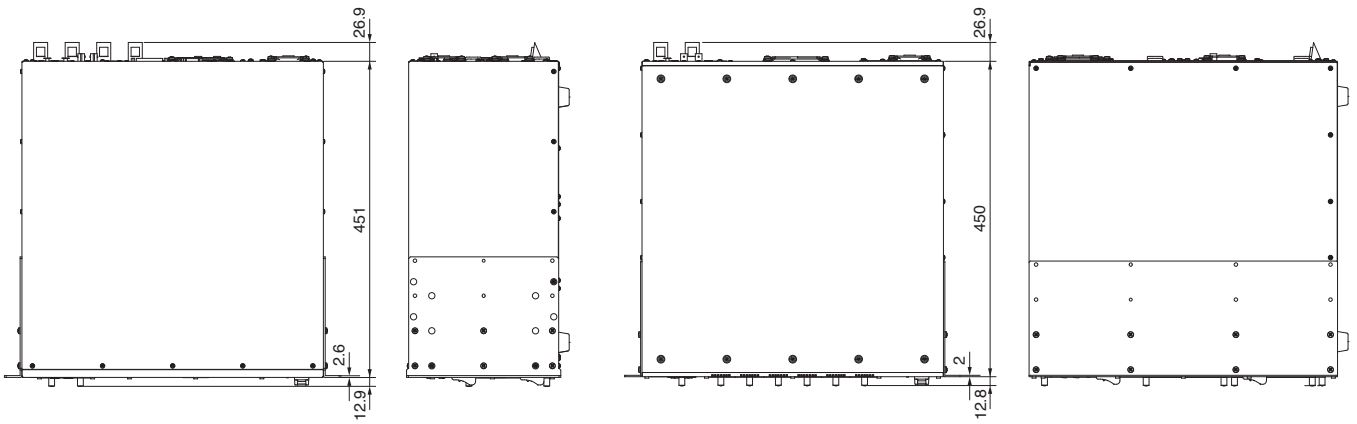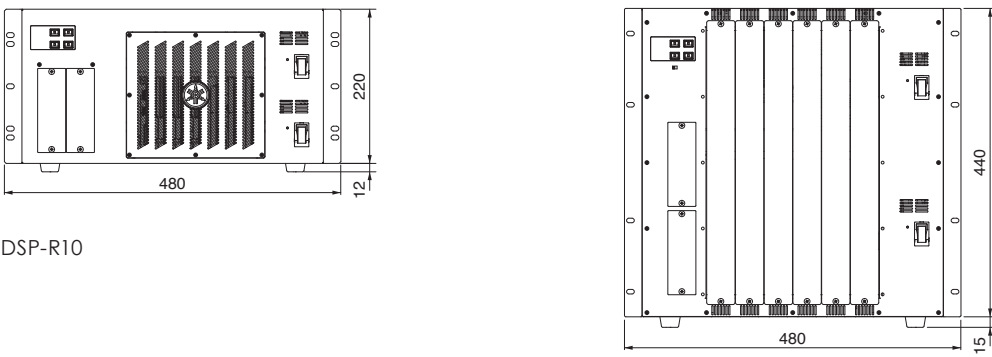|	
Mixing Capacity	44.1/48/88.2/96 kHz 144 input channels 72 Mix buses, 36 Matrix buses Stereo buses A and B (or Mono bus) Cue A/B, Monitor A/B
Contr ol Surface (CS-R10)	Display: 15" touch panel x 2 Faders: 38 (12+12+12+2) Selected Channel section: comprehensive channel parameters Custom Fader banks: 6 x 2 on each bay User Defined keys: 12 x 4 banks User Defined knobs: 4 x 4 banks Touch and Turn knobs: 2 Analog I/O: 8 in / 8 out Slot: 2 MY slots AES/EBU: 4 in / 4 out (with SRC) Ports: GPI (8 in / 8 out), Word Clock Out, MIDI In/Out, 5 USB (1 for 2-track recording), Video Out (DVI-D) Power supply: dual redundant power supply built-in Dimensions (WxHxD): 1,549 x 417 x 848mm Net Weight: 85 kg (187 lbs)
DSP Engine (DSP-R10)	Slot: 2 MY slots, 4 HY slots (TWINLANe, Dante) Ports: GPI (8 in / 8 out), Word Clock In/Out, MIDI In/Out, Remote, TC IN, Fault Output Power supply: dual redundant power supply built-in Dimensions (WxHxD): 480 x 232 x 490.8mm (5U rack size) Net Weight: 20 kg (44 lbs)
I/O Rac k (RPio622)	Slot: 6 RY slots, 2 MY slots, 2 HY slots (TWINLANe, Dante) Ports: Word Clock In/Out, Fault Output Power supply: dual redundant power supply built-in Dimensions (WxHxD): 480 x 455 x 489.7mm (10U rack size) Net Weight: 30 kg (66 lbs)
Input Channel	A/B, Gain Compensation, Digital Gain, HPF, LPF, 4-band PEQ, 2 Dynamics, Delay, 2 insert points (x4 daisy-chain), Direct Out
Output Channel	HPF, LPF, 8-band PEQ, Dynamics, Delay (on channel and port), 2 insert points (x4 daisy-chain)
Scene Memory	Number of scenes: 1000 Functions: Recall Safe, Focus Recall, Fade Time, Preview, Overlay Filter, Isolate
DCA/Mute Group	24 DCAs, 12 Mute Groups
Plug-ins	384 plug-in slots (The maximum number of plug-ins used at a time varies depending on the plug-in types) 45 types of plug-ins
GEQ/PEQ	48 racks (96 for Flex15GEQ and 8-band PEQ) 31-band GEQ, Flex15GEQ, 8-band PEQ
Recording	2-track USB recording (MP3 and WAV) Multitrack recording and Virtual Soundcheck via Dante (option)
I/O Network (TWINLANe)	400 channels @ 44.1/48/88.2/96 kHz, 32-bit Network latency: 11 samples at 44.1/48 kHz, 12 samples at 88.2/96 kHz Topology: ring for network redundancy Recommended cable: Neutrik opticalCON DUO multimode fiber
Console Network	Topology: ring for network redundancy Cable: CAT5e or better (etherCON)
Dante (HY144-D)	144 in / 144 out @ 44.1/48/88.2/96 kHz, 32-bit Cable: CAT5e or better (etherCON)
Application Software	RIVAGE PM10 Editor (Windows)
Planned Functions in Future Update	Engine Mirroring / Engine Cascade / Dual Console / Event List (Timecode chase) / Nuendo Live Remote / RIVAGE PM10 StageMix / Eventide H3000 Live and more

DIMENSIONS

unit : mm

CS-R10

DSP-R10

RPio622