Product Spec Sheet from Rentex

Yamaha LS9-32 Channel Mixer Digital Mixing Console

Mfr Part No. LS9-32

The LS9-32 features a 32-mic/line input 64-channel. While being compact and light enough for one person to move and set up easily, this model includes features that have been field-proven in previous Yamaha digital consoles as well as outstanding sonic quality. In addition to an extensive range of gating, compression, and equalization capabilities, there's also a built-in USB memory recorder/player for recording or BGM playback, and other functionality that give you everything you need for small to medium scale live sound or installed applications in remarkably compact, all-in-one consoles.

Features

- 64-channel
- 32 mic/line inputs
- High input capacity
- Great for temporary setups at small to mid-size concerts and events.

Detailed Specifications

Mixing channels	64 Mono + 4 Stereo
GROUP	16 MIX (Group/AUX) busses
AUX	16 MIX (Group/AUX) busses
MAIN	Stereo, Mono
MATRIX	8
Input Channel Functions	HPF, Attenuator, 4-band PEQ, 2x Dynamics, Pan (LR or LCR with CSR)
Output Channel Functions	Attenuator, 4-band PEQ, Dynamics
On-Board Processors	4x GEQ, 4x GEQ/SPX (GEQ: 31-band or 2x Flex15), 66x Output port delay
Internal Processing	32bit, Accumulator: 58bit
Sampling Frequency Rate	Internal: 44.1kHz, 48kHz External: 44.1 kHz (-10%) to 48 kHz (+6%)
Signal Delay	Less than 2.5 ms (@48kHz)
Total Harmonic Distortion	Less than 0.05% (20Hz-20kHz)
Frequency Response	0, +0.5, -1.5dB 20Hz-20kHz
Dynamic Range	DA: 110dB; AD+DA: 108dB
Input Noise	-128dBu
Output Noise	-86dBu

Crosstalk	-80 dB Adjacent Input Channels, Input to Output
Power Requirements	AC100-240V 50/60Hz, and/or Use PW800W
Power Consumption	170W
Dimensions (WxHxD)	884mm x 220mm x 500mm
Weight	42.8lbs
Inputs	
Mic Inputs	32 (Recallable)
Phantom Power	+48V DC; ON/OFF per channel
AD Converter	24-bit; 128-time over sampling
Line Outputs	16 Omni output
DA Converter	24-bit; 128-time over sampling
Digital I/O	2tr in/out, USB Memory Recorder/Player
Expansion Slots	2x Mini-YGDAI (16-in/16-out); Possible to remote HA gain via slots
Control & Others	Ethernet, MIDI, USB (Storage/Key), Word clock I/O, Lamp