

Product Spec Sheet from Rentex

Yamaha 01V96i Multi-Track Digital Mixing Console with USB 2.0

Download Spec Sheet @ www.rentex.com/spec/MXR1610.pdf

Rentex Product No. MXR1610



Mfr Part No. 01V96i

Channels	Mixing: 32 mono, 4 stereo Group: 8 Aux: 8 Main: Stereo	Frequency Response	20 Hz - 20 kHz (+4 dBu into 600 ohms, 0.5-1.5 dB, 48 kHz) 20 Hz - 40 kHz (+4 dBu into 600 ohms, 0.5-1.5 dB, 96 kHz)
Functions	Input: Gate, attenuator, 4-band PEQ, 2 compressors, delay, pan Output: Attenuator, 4-band PEQ, compressor, delay	Dynamic Range	110 dB (typical, DA converter, stereo out) 105 dB (typical, AD+DA, stereo out @ 48 kHz) 105 dB (typical, AD+DA, stereo out @ 96 kHz)
No. of Processors	4 x SPC multi effects processors	EIN	-128 dBu
AD/DA Conversion	24-bit, 128x over sampling	Residual Output Noise	-86 dBu (stereo out off) -86 dBu (90 dB S/N, stereo fader at nominal level and all channel input faders at minimum level) -64 dBu (68 dB S/N, stereo fader at nominal level and 1 channel input fader at nominal level)
Phantom Power	+48VDC, On/off per 4 channels	Connectors	Inputs 1-12: 3-pin balanced XLR and 1/4" TRS phone Inputs 13-16: Balanced 1/4" TRS phone Inserts 1-12 In: Unbalanced 1/4" TRS phone 2-Track In: Unbalanced RCA (L/R) Stereo Out: 3-pin balanced XLR Omni Out: Balanced 1/4" TRS phone Monitor Out: Balanced 1/4" TRS phone Inserts 1-12 Out: Unbalanced 1/4" TRS phone 2-Track Out: Unbalanced RCA (L/R) Phones: 1/4" Stereo phone, unbalanced 2-Track Digital In: RCA coaxial ADAT In: Optical 2-Track Digital Out: RCA coaxial ADAT Out: Optical
Mic/Line Input	Mic: 12 Line: 2 x stereo, 2 x 2-track	Input Impedance	Ch 1-12: 3k ohms load, 50-600 ohms mic nominal, 600 ohms line nominal Ch 13-16: 10k ohms load, 600 ohms line nominal Insert 1-12 In: 10k ohms load, 600 ohms line nominal 2-Track In: 10k ohms load, 600 ohms line nominal
Line Output	Stereo, monitor, 4 x Omni	Input Sensitivity	Ch 1-12: -70, -26, -6 dBu Ch 13-16: -36, -6 dBu Insert 1-12 In: -12 dBu 2-Track In: -10 dBV
Digital I/O	ADAT (8 in, 8 out), 2-track in/out	Input Level	Ch 1-12: -60, -16, +4 dBu nominal, -40, +4, +24 dBu max Ch 13-16: -26, +4 dBu nominal, -6, +24 dBu max Insert 1-12 In: -2 dBu nominal, +18 dBu max 2-Track In: -10 dBV nominal, +10 dBV max
Expansion	Mini-YGDAI (16 in, 16 out)	Output Impedance	Stereo: 75 ohms source, 600 ohms line nominal Omni: 150 ohms source, 10k ohms line nominal Monitor: 150 ohms source, 10k ohms line nominal Insert 1-12 Out: 600 ohms source, 10k ohms line nominal 2-Track: 600 ohms source, 10k ohms line nominal Phones: 100 ohms source, 8-40 ohms line nominal
Control	USB to host, MIDI word clock I/O	Output Level	Stereo: +4 dBu nominal, +24 dBu max Omni: +4 dBu nominal, +24 dBu max Monitor: +4 dBu nominal, +24 dBu max Insert 1-12 Out: -2 dBu nominal, +18 dBu max 2-Track: -10 dBV nominal, +10 dBV max Phones: 4-12 mW nominal, 25-75 mW max 2 Track I/O: IEC-60958, 24-bit, 0.5 Vpp/75 ohms ADAT I/O: ADAT, 24-bit
Processing	32-bit (58-bit accumulator)	Digital Audio Format	
Sampling	Internal: 44.1, 48, 88.2, 96 kHz	Power Requirements	100, 120, 220-240 VAC, 50/60 Hz
Frequencies	External: 44.1/88.2 kHz (-10%), 48/96 kHz (+6%)	Power Consumption	90 W
Signal Delay	< 1.6 ms (channel input to stereo out @ 48 kHz) < 0.8 ms (channel input to stereo out @ 96 kHz)	Dimensions (WxHxD)	17.1 x 5.9 x 21.6"
Total Harmonic Distortion	< 0.05% (channel input to stereo out, 20 Hz to 20 kHz @ +14 dBu into 600 ohms, 48 kHz) < 0.01% (channel input to stereo out, 1kHz @ +24 dBu into 600 ohms, 48 kHz) < 0.05% (20 Hz to 40 kHz @ +14 dBu into 600 ohms, 96 kHz) < 0.01% (1kHz @ +24 dBu into 600 ohms, 96 kHz)	Weight	30.86 lbs (14 kg)
Pad	0, 20 (Ch. input 1-12)		
Input Gain	Ch 1-12: -60, -16 dB Ch 13-16: -26, +4 dB		
Crosstalk	-80 dB, adjacent channels, input to output		
Faders	17 x 100 mm motorized faders		
USB	USB 2.0 type-B (24-bit, 0-3.3 V, audio and host)		
MIDI	5-pin DIN connectors for in, out, and thru		
Word Clock	BNC in and out connectors (TTL/75 ohms)		