TASCAM US-16X8 Computer-Tablet Audio Interface

US-16X08 SPECIFICATIONS

Sampling frequency	44.1k/48k/88.2k/96kHz
Quantization bit rate	16/24bit
Analog audio inputs	
MIC IN(IN 1-8)	
Connector	XLR-3-31(1:GND, 2:HOT, 3:COLD), BALANCED
Input impedance	2.4k ohms
Nominal input level	
GAIN:MAX	-68dBu (0.0003Vrms)
GAIN:MIN	-12dBu (0.195Vrms)
Maximum input level	+8dBu (1.947Vrms)
Gain	56dB
INST IN (IN 9-10)	
Connector	6.3mm(1/4″) TS-jack(T:HOT, S:GND), UNBALANCED (When set to “INST” at LINE/INST switch)
Input impedance	1M ohms or more

Nominal input level	
GAIN:MAX	-57dBV (0.0014Vrms)
GAIN:MIN	-12dBV (0.251Vrms)
Maximum input level	+8dBV (0.2512Vrms)
Gain	45dB
LINE IN (IN 9-10)	
Connector	6.3mm(1/4″) TRS-jack(T:HOT, R:COLD, S:GND), BALANCED (When set to “LINE” at LINE/INST switch)
Input impedance	10k ohms
Nominal input level	
GAIN:MAX	-41dBu (0.0069Vrms)
GAIN:MIN	+4dBu (1.228Vrms)
Maximum input level	+24dBu (12.182Vrms)
Gain	45dB
LINE IN (IN 11-16)	
Connector	6.3mm(1/4″) TS-jack(T:HOT, S:GND), UNBALANCED (When set to “-10dBV” at LEVEL switch)
Input impedance	10k ohms or more
Nominal input level	-10dBV (0.3162Vrms)
Maximum input level	+10dBV (3.162Vrms)
LINE IN (IN 11-16)	
Connector	6.3mm(1/4″) TRS-jack(T:HOT, R:COLD, S:GND), BALANCED (When set to “+4dBu” at LEVEL switch)
Input impedance	10k ohms
Nominal input level	+4dBu (1.228Vrms)
Maximum input level	+24dBu (12.182Vrms)
Analog audio outputs	
LINE OUT (LINE OUT 1-8)	
Connector	6.3mm(1/4″) TRS-jack(T:HOT, R:COLD, S:GND), BALANCED
Output impedance	100ohms
Nominal output level	+4dBu (1.228Vrms)
Maximum output level	+24dBu (12.177Vrms)
PHONES	
Connector	6.3mm(1/4″) stereo phone jack
Maximum output level	70mW+70mW or more (THD+N 0.1% or less, 32ohms loaded)
MIDI IN / OUT	
Connector	Din 5-pin
Format	Standard MIDI format
USB	
Connector	USB B type 4-pin

Format	USB2.0 HIGH SPEED mass storage class
Power	Dedicated AC adapter (GPE248-120200-Z, included)
Power consumption	12W
Dimensions	52″ W ×2.32″ H ×8.62″ D inch 445mm W ×59mm H ×219mm D
Weight	2.8kg / 6.11lb
Operating temperature	5 to 35˚C
Accessories	Rack mount adapter, USB cable, User’s manual, warranty card, dedicated AC adapter (GPE248-120200-Z)

Audio performance

Frequency response

LINE OUT(BALANCED)

44.1k/48k Hz	20Hz to 20kHz, +/-0.3dB(JEITA)
88.2k/96k Hz	20Hz to 40kHz, +/-0.3dB(JEITA)
THD	0.008% or less
S/N ratio	100dB or more
Crosstalk	100dB or more
EIN	-125dBu or less

Computer system requirements

Windows

OS	Windows 7(32-bit SP1, 64-bit SP1), Windows 8.0(32-bit, 64-bit), Windows 8.1(32-bit, 64-bit) * For further information of the latest OS version, please click
Compatible computers	Windows-compatible computer with a USB 2.0 port
CPU type/speed	Dual core/2 GHz or faster
Memory	2GB or more
DRIVER	ASIO2.0, WDM(MME)

Macintosh

OS	OS X Mountain Lion(10.8), OS X Mavericks(10.9) * For further information of the latest OS version, please click
Compatible computers	Apple Macintosh computer with a USB 2.0 port
CPU type/speed	Dual core/2 GHz or faster
Memory	2GB or more
DRIVER	Core Audio, Core MIDI

iOS

OS	iOS 7 * For more information about the OS compatibility on each models

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