

# TASCAM SERIES 208i 20 IN/8 OUT USB Audio/MIDI Interface

<b>Sampling Frequency</b>	44.1k / 48k / 88.2k / 96k / 176.4k / 192k Hz
<b>Quantization Bit Rate</b>	16 / 24-bit
<b>Analog Audio Inputs</b>	
<b>MIC IN (Balanced)</b>	1-4 (when the input switch is set to MIC/LINE)
Connector	XLR-3-31 equivalent (1: GND, 2: HOT, 3: COLD)
Input Impedance	1.5k $\Omega$
Nominal Input Level	
GAIN: MAX	-64dBu (0.0005Vrms)
GAIN: MIN	-6dBu (0.388Vrms)
Maximum Input Level	+10dBu (2.45Vrms)
Gain Range	58dB
<b>INSTRUMENT IN (Unbalanced)</b>	1-4 (when the input switch is set to INST)
Connector	1/4" (6.3mm) TS jack (Tip: HOT, Sleeve: GND)
Input Impedance	1M $\Omega$ or more
Nominal Input Level	
GAIN: MAX	-64dBu (0.0006Vrms)
GAIN: MIN	-6dBV (0.501Vrms)
Maximum Input Level	+10dBV (3.162Vrms)
Gain Range	58dB
<b>LINE IN (Unbalanced)</b>	1-4 (when the input switch is set to MIC/LINE)
Connector	1/4" (6.3mm) TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Input Impedance	10k $\Omega$
Nominal Input Level	
GAIN: MAX	-54dBu (0.0015Vrms)
GAIN: MIN	+4dBu (1.228Vrms)
Maximum Input Level	+24dBu (12.282Vrms)
Gain Range	58dB
<b>Digital Audio Inputs</b>	
<b>OPTICAL IN (S/MUX)</b>	
Connector	OPTICAL (JEITA RC-5720C)
Signal Format	Multi-channel Optical Format (Supports S/MUX at 88.2k/96k/176.4k/192kHz)
<b>Analog Audio Outputs</b>	
<b>MONITOR OUT (Balanced)</b>	LINE OUT 1-2
Connector	1/4" (6.3mm) TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output Impedance	230 $\Omega$
Nominal Output Level	+4dBu (1.228Vrms)
Maximum Output Level	+20dBu (7.75Vrms)
<b>LINE OUT (Balanced)</b>	LINE OUT 3-8
Connector	1/4" (6.3mm) TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output Impedance	230 $\Omega$
Nominal Output Level	+4dBu (1.228Vrms)
Maximum Output Level	+20dBu (7.75Vrms)
<b>HEADPHONE OUT</b>	PHONES 1-2
Connector	1/4" (6.3mm) Stereo jack
Maximum Output Power	45mW + 45mW (THD+N 0.1% or less, into 32 $\Omega$ load)
<b>Control Input/Output</b>	
<b>USB</b>	
Connector	4-pin, USB B type

Format	USB2.0 HIGH SPEED (480Mbps)
<b>MIDI IN</b>	
Connector	5-pin, DIN
Format	Standard MIDI
<b>MIDI OUT</b>	
Connector	5-pin, DIN
Format	Standard MIDI
<b>WORD IN</b>	
Connector	BNC
Input Voltage	2.0Vpp to 5.0Vpp
Input Impedance	75Ω ±10%
Frequency Deviation	±100ppm
Terminal ON/OFF Switch	Equipped
<b>WORD OUT</b>	
Connector	BNC
Output Voltage	2.0Vpp (into 75Ω)
Output Impedance	75Ω ±10%
Sampling Frequency	44.1k / 48k / 88.2k / 96k / 176.4k / 192k Hz
<b>Power</b>	DC 12V (AC Adapter PS-P1220E included)
<b>Power Consumption</b>	14 W
<b>Dimensions (WxHxD)</b>	11.65" x 2.56" x 6.30" / 296 x 65 x 160 mm
<b>Weight</b>	3.53 lbs. / 1.6 kg
<b>Operating Temperature Range</b>	41 to 95°F / 5 to 35°C
<b>Audio Performance</b>	
<b>Mic Amp EIN</b>	-129dBu or lower
<b>Frequency Response</b>	
Fs 44.1k/48kHz	20Hz to 20kHz, +0/-1dB (MIC/LINE thru LINE OUT, JEITA)
Fs 88.2k/96kHz	20Hz to 40kHz, +0/-2dB (MIC/LINE thru LINE OUT, JEITA)
Fs 176.4k/192kHz	20Hz to 80kHz, +0/-12dB (MIC/LINE thru LINE OUT, JEITA)
<b>Total Harmonic Distortion</b>	0.005% or less (MIC/LINE thru LINE OUT, 1kHz sine wave, full-scale -2dB input level, MONITOR knob at maximum)
<b>Signal-to-Noise Ratio</b>	106dB or higher (MIC/LINE IN thru LINE OUT, Gain knob at minimum, JEITA)
<b>Crosstalk</b>	100dB or higher (MIC/LINE IN thru LINE OUT, 1kHz sine wave, Gain knob at minimum)