

# TASCAM SERIES 102i 10 IN/2 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>	1-2 (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>	1-2 (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>	1-2 (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>HEADPHONE OUT</b>	PHONES 1-2
Connector	1/4" (6.3mm) Stereo jack
Maximum Output Power	18mW + 18mW (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
Power	DC 12V (AC Adapter PS-P1220E included)
Power Consumption	7.2 W
Dimensions (WxHxD)	7.32" x 2.56" x 6.30" / 186 x 65 x 160 mm
Weight	2.43 lbs. / 1.1 kg
Operating Temperature Range	41 to 95°F / 5 to 35°C
<b>Audio Performance</b>	
Mic Amp EIN	-129dBu or lower
Frequency Response	
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)
Total Harmonic Distortion	0.005% or less (MIC/LINE thru LINE OUT, 1kHz sine wave, full-scale -2dB input level, MONITOR knob at maximum)
Signal-to-Noise Ratio	106dB or higher (MIC/LINE IN thru LINE OUT, Gain knob at minimum, JEITA)
Crosstalk	100dB or higher (MIC/LINE IN thru LINE OUT, 1kHz sine wave, Gain knob at minimum)