

TASCAM MODEL 24 24 Channel Multitrack Recorder with Integrated USB Audio Interface and Analog Mixer

Recording section	
Supported Media	SD (512MB to 2GB), SDHC (4GB to 32GB), SDXC (64GB to 128GB), Class 10 or higher required.
File System	SD card: FAT16, SDHC card: FAT32, SDXC card: exFAT
Recording File Format	WAV
Playback Format	WAV
Sampling Frequency	44.1k / 48k Hz
Bit Depth	16 / 24-bit
Recordable Channel	Max. 24 channels (22ch + 2 stereo mix)
Audio Inputs	
MIC IN	CH1 to 12, 13/14 to 19/20
Connector	XLR 3-31 (1: GND, 2: HOT, 3: COLD)
Maximum Input Level	+10dBu
Nominal Input Level	-8dBu
Minimum Input Level	-58dBu
Gain Adjustable Range	0 to 50dB
Input Impedance	1.8k Ω
Phantom Power supply	+48V
LINE IN	CH1 to 20
Connector	1/4" (6.3mm) TRS Phone jack (Balanced)
Maximum Input Level	+22dBu
Nominal Input Level	+4dBu
Gain Adjustable Range	-10 to +40dB: CH1 to 12, +20 to +30dB: CH13/14 to 19/20
Input Impedance	22k Ω
INSERT	CH 1 and 2
Connector	1/4" (6.3mm) TRS Phone jack (T: Send, R: Return, S: GND)
Return (Ring)	
Maximum Input Level	+18dBu
Nominal Input Level	0dBu
Input Impedance	10k Ω
Send (Tip)	
Maximum Output Level	+18dBu
Nominal Output Level	0dBu
Output Impedance	100 Ω
RCA INPUT	
Connector	RCA Pin jack (Unbalanced)
Maximum Input Level	+8dBV
Nominal Input Level	-10dBV
Input Impedance	10k Ω
STEREO INPUT	
Connector	1/8" (3.5mm) Stereo Mini jack (Unbalanced)
Maximum Input Level	+8dBV
Nominal Input Level	-10dBV
Input Impedance	10k Ω
OUTPUTS	
MAIN OUTPUT	
Connector>	XLR 3-32 (1: GND, 2: HOT, 3: COLD)
Maximum Output Level	+22dBu

Nominal Output Level	+4dBu
Output Impedance	100Ω
SUB OUT, MONITOR, FX OUT, CONTROL ROOM OUT	
Connector>	1/4" (6.3mm) TRS Phone jack (T: HOT, R: COLD, S: GND)
Maximum Output Level	+16dBu
Nominal Output Level	-2dBu
Output Impedance	100Ω
PHONES OUT	
Connector	1/4" (6.3mm) Stereo Phone jack
Output Level	80mW + 80mW (32Ω loaded)
REMOTE	Compatible with TASCAM RC-1F Foot Switch
Connector	1/4" (6.3mm) TS Phone jack
USB Audio	for connection with PC
Sampling Rate	44.1k / 48k Hz
Bit Depth	16 / 24-bit
Maximum INPUT and OUTPUT	24 Inputs / 22 Outputs
USB	
Connector	USB B type 4-pin
Format	USB2.0 High-Speed, Mass-storage class/USB Audio Class
Bluetooth®	
Output Class	Class 2 (Transmission range: approx. 33ft. / 10 m) * Transmission range may vary, depending on surroundings.
Bluetooth® version	4.0
Supported Profile	A2DP, AVRCP 1.0
Supported A2DP Codecs	SBC, AAC
A2DP Content Protection	SCMS-T
Channel EQ	
Low-Cut	100Hz, -18dB / Octave
Hi-Shelving	+15dB / -15dB, Cut off frequency: 12kHz
Mid	Peaking (MONO): +15dB / -15dB, 100Hz to 8kHz Variable (STEREO): +15dB / -15dB, Center frequency = 600Hz MID Band Q Fix, 0.55
Low-Shelving	+15dB / -15dB, Cut off frequency = 80Hz
Graphic EQ	
Band	7-Band
Frequency	125 / 250 / 500 / 1k / 2k / 4k / 8k Hz
Gain	+15dB / -15dB
FX	
Type	1: SMALL HALL / 2: LARGE HALL / 3: SMALL ROOM / 4: LARGE ROOM / 5: PLATE / 6: STUDIO / 7: LIVE / 8: SHORT DELAY / 9: DELAY / 10: PING PONG / 11: CHORUS / 12: FLANGER / 13: DELAY + S.HALL / 14: DELAY + L.HALL / 15: CHORUS + S.HALL / 16: CHORUS + L.HALL
Power	AC 100 to 240V, 50/60Hz
Power Consumption	52 W
Dimensions (WxHxD)	576 x 513 x 112.5 mm (including side panels, knobs and connectors) 540 x 503 x 112.5 mm (excluding side panels. including knobs and connectors)
including Side panels	22.67" x 20.20" x 4.43" / 576 x 513 x 112.5 mm (including knobs and connectors)
excluding Side panels)	20.26" x 19.80" x 4.43" / 540 x 503 x 112.5 mm (including knobs and connectors)
Weight	22.04 lbs. / 10 kg
Operating Temperature	41■ to 95■F / 5■ to 35■C
Included Items	AC Cord, Owner's manual (incl. Warranty card)

Available Accessories	TASCAM RC-1F Footswitch
Residual Output Noise	-100dBu (MAIN OUT, MAIN fader: MIN)
Equivalent Input Noise	-128dBu (Mono Input Channel, Rs: 150Ω, GAIN knob: Max)
Total Harmonic Distortion	0.01% or less (MIC IN to MAIN OUT, Max input level, 1kHz, GAIN min.) 0.004% or less (MIC IN to MAIN OUT, +4dBu, 1kHz, GAIN min.)
Frequency Response	20Hz to 30kHz (+0.5/-1.0dB: Analog) 20Hz to 20kHz (+0.5/-1.0dB: Digital)
Crosstalk	-80dB, channels/input and output (1kHz, PAN fully counter clockwise/fully clockwise)
Maximum Gain	74dB (MIC to MAIN OUT) 50dB (MIC to INSERT OUT) 74dB (MIC to SUB OUT) 79dB (MIC to CR OUT) 75dB (MIC to MONITOR OUT) 75dB (MIC to FX OUT) 24dB (USB/SD to MAIN OUT) (EQ and-EQ flatten, PAN fully counter clockwise/fully clockwise)