

TASCAM DR-680mkII 8-Track Field Recorder with up to 192kHz Resolution

Recording media	SD card(64MB to 2GB), SDHC card(4GB to 32GB), SDXC card(64GB to 128GB)
File system	FAT16 / FAT32
Recording format	
WAV	44.1k/48k/96k/192k Hz, 16/24bit *192kHz : 2ch recording/playback
BWF	44.1k/48k/96k/192k Hz, 16/24bit *192kHz : 2ch recording/playback
MP3	44.1kHz, 16bit, 96k to 320k bps
Analog audio inputs	
MIC/LINE(BALANCED)	
Connector	
Ch 1-4	XLR-3-31 (1:GND, 2:HOT, 3:COLD) 6.3mm(1/4")TRS standard jack
Ch 5-6	6.3mm(1/4")TRS standard jack
Set to MIC	
Input impedance	2.4kohm
Phantom power	+48V (+5%,-10%), +10mA/Ch
Standard input level	
LOW	-51.5dBu
HIGH	-75.5dBu
Maximum input level	
LOW	+3dBu
HIGH	-21dBu
MIC input gain	63dB
Set to LINE	
Input impedance	10kohm
Standard input level	+4dBu
Maximum input level	+24dBu
LINE input gain	63dB
Analog audio output	
LINE OUT(UNBALANCED)	
Connector	RCA pin jacks
Output impedance	200ohm
Standard output level	-10dBV
Maximum output level	+6dBV
Phones	
Connector	6.3mm(1/4")stereo phone jack
Maximum output level	50mW + 50mW (32ohms loaded)
Speaker	
Diameter	35mm
Impedance	8ohm
Maximum output level	500mW
Digital Input/Output	
Connector	RCA pin jack
Format	IEC60958-3(S/PDIF), AES3-2003(AES/EBU)
Single	44.1k/48k Hz
Double	96kHz
Quad	192kHz
Level	0.5 Vp-p typical
Output impedance	75ohm +/-20% unbalance

SYNC Input/Output	
Connector	RCA pin jack
USB	
Connector	Mini-B type
Format	USB2.0 HIGH SPEED(480Mbps)
Power	8 AA batteries(LR6) AC100 to 240V, 50-60Hz
Power consumption	8W (Phantom power on)
Continuous operation time	
Alkaline batteries (EVOLTA)	About 6:00 (Rec:2ch, Phantom power OFF) About 4:30 (Rec:2ch, Phantom power ON) About 3:30 (Rec:6ch, Phantom power ON)
NI-MH batteries (eneloop)	About 5:30 (Rec:2ch, Phantom power OFF) About 4:30 (Rec:2ch, Phantom power ON) About 4:00 (Rec:6ch, Phantom power ON)
Lithium batteries (Energizer ULTIMATE LITHIUM)	About 11:00 (Rec:2ch, Phantom power OFF) About 9:30 (Rec:2ch, Phantom power ON) About 7:30 (Rec:6ch, Phantom power ON)
Dimensions	216.4(W)x56(H)x188.4(D)mm 8.5(W)x2.2(H)x7.4(D)inch
Weight	1.4kg(with batteries), 1.2kg(without batteries) 3.1lbs(with batteries), 2.6lbs(without batteries)
Operating temperature	0 to 40°C
Standard accessories	AC adaptor, USB cable, Shoulder strap, Owner's manual including warranty card

Audio performance	
Frequency response	20Hz to 20kHz +0.5/-1.5dB (Fs 44.1kHz, LINE IN to LINE OUT, Input Level=FS-1dB) 20Hz to 20kHz +0.5/-0.5dB (Fs 48kHz, LINE IN to LINE OUT, Input Level=FS-1dB) 20Hz to 40kHz +0.5/-1.0dB (Fs 96kHz, LINE IN to LINE OUT, Input Level=FS-1dB) 20Hz to 80kHz +0.5/-5.0dB (Fs 192kHz, LINE IN to LINE OUT, Input Level=FS-1dB)
Distortion	0.007% (1kHz, LINE IN to LINE OUT)
S/N ratio	100dB (A-Weight, MIC IN to DIGITAL OUT) 100dB (A-Weight, LINE IN to LINE OUT)
EIN	-124dBu or less

Computer compatibility	
Windows	
OS	Windows XP, Windows Vista, Windows 7, Windows 8
Macintosh	
OS	Mac OS X Jaguar (V10.2), Mac OS X Panther (V10.3), Mac OS X Tiger (V10.4), Mac OS X Leopard (V10.5), Mac OS X Snow Leopard(V10.6.8), OS X Lion(V10.7), OS X Mountain Lion(V10.8)