

F8n MultiTrack Field Recorder Specifications

Recording media		Dual SD card slots support 16MB–2GB SD cards, 4GB–32GB SDHC cards and 64GB–512GB SDXC cards		
Inputs	INPUT 1–8	Connectors	XLR/TRS combo jacks (XLR: 2 hot, TRS: TIP hot)	
	Input source set to Mic (→P.80)	Input gain	+10 – +75 dB	
		Input impedance	2 kΩ	
		Maximum input level	+14 dBu (at 0 dBFS, limiter ON)	
		Phantom power	+24/+48V 10mA maximum for each channel	
	Input source set to Line	Input gain	-10 – +55 dB	
		Input impedance	2.6 kΩ	
		Maximum input level	+24 dBu (at 0 dBFS, limiter ON)	
	Equivalent input noise	–127 dBu or less (A-weighted, +75dB input gain, 150Ω input)		
	Frequency characteristics	10 Hz – 80 kHz +0.5dB/–1dB (192kHz sampling rate)		
A/D dynamic range	120 dB typ (–60dBFS input, A-weighted)			
Crosstalk	–90 dB or less (between adjacent channels, 1kHz)			
MIC IN	ZOOM mic capsule input (use disables Inputs 1/2)			
SLATE MIC	Built-in mic for voice memos can be assigned to tracks freely			
Outputs	MAIN OUT 1/2	Connectors	TA3 connectors, balanced output (2: hot)	
		Output impedance	150 Ω or less	
		Reference output level	–10 dBV (normal output level), +4 dBu (Output Level: Line), 1 kHz, 600Ω load	
		Maximum output level	+10 dBV (normal output level), +24 dBu (Output Level: Line), 1 kHz, 600Ω load	
	SUB OUT 1/2	Connector	3.5mm stereo mini unbalanced output jack	
		Output impedance	100 Ω or less	
		Reference output level	–10 dBV (normal output level), –40 dBV (mic output level), 1 kHz, 10kΩ load	
	HEADPHONE	Maximum output level	+10 dBV (normal output level), -20 dBV (mic output level), 1 kHz, 10kΩ load	
		Connector	1/4" unbalanced stereo output jack	
		Output impedance	15 Ω or less	
D/A dynamic range	Maximum output level	100mW + 100mW (32Ω load)		
	106 dB typ (–60dBFS input, A-weighted)			

Recording formats	When WAV selected	
	Supported formats	44.1/47.952/48/48.048/88.2/96/192kHz, 16/24-bit, mono/stereo//2-10ch poly, BWF and iXML
	Maximum simultaneous recording tracks	10 (8 inputs + stereo mix) 8 (at 192kHz sampling rate)
	When MP3 selected	
	Supported formats	128/192/320kbps, 44.1/48kHz, ID3v1 tags
Recording time	Maximum simultaneous recording tracks	2
	Using a 32GB card	
	30:51:00 (48kHz/24-bit stereo WAV) 7:42:00 (192kHz/24-bit stereo WAV)	
Timecode	Connector	BNC
	Modes	Off, Int Free Run, Int Record Run, Int RTC Run, Ext, Ext Auto Rec (audio clock can be synchronized to timecode)
	Frame rates	23.976ND, 24ND, 25ND, 29.97ND, 29.97D, 30ND, 30D
	Precision	±0.2 ppm
	Supported input levels	0.2 – 5.0 Vpp
	Input impedance	4.6 kΩ
	Output level	3.3 Vpp
Power supplies	Output impedance	50 Ω or less
	Batteries: 8 AA	
	AC adapter: AD-19 DC12V 2A (center plus) External DC power supply: HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9-18V	

Continuous recording time	When recording 2 channels at 48kHz/16-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness 5, 32Ω headphones, PHANTOM OFF	
	Alkaline batteries	6 hours or more
	NiMH (2450mAh)	8.5 hours or more
	Lithium batteries	12.0 hours or more
	When recording 8 channels at 48kHz/24-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness 5, 32Ω headphones, PHANTOM OFF	
	Alkaline batteries	3.5 hours or more
	NiMH (2450mAh)	6.0 hours or more
	Lithium batteries	8.0 hours or more
	When recording 8 channels at 192kHz/24-bit to SD1 with MAIN/SUB OUT ON, TIME CODE Int Free Run, LED/LCD Brightness 60, 32Ω headphones, PHANTOM 48V	
	Alkaline batteries	1 hour or more
NiMH (2450mAh)	2.0 hours or more	
Lithium batteries	3.0 hours or more	
Display	2.4" full-color LCD (320x240)	
USB	Mass storage operation	
	Class	USB 2.0 High Speed
	Multi Track audio interface operation (driver required for Windows, not required for Mac)	
	Class	USB 2.0 High Speed
	Specifications	44.1/48/88.2/96kHz sampling rate, 16/24-bit bit rate, 8 in/4 out
	Stereo Mix audio interface operation (no driver required)	
	Class	USB 2.0 Full Speed
	Specifications	44.1/48kHz sampling rate, 16-bit bit rate, 2 in/2 out
	Audio Interface with Rec (driver required for Windows, not required for Mac)	
	Class	USB 2.0 High Speed
Specifications	44.1/48 kHz sampling rate, 16/24-bit bit rate, 10 in/4 out	
Note: iOS device audio interface operation supported (stereo mode only)		
Power consumption	15 W	
External dimensions	Main unit: 7.0 in. (W) × 5.5 in. (D) × 2.1 in. (H) 178.2 mm (W) × 140.3 mm (D) × 54.3 mm (H)	
Weight (main unit only)	2.2 pounds (1000 g)	