

F8n Pro MultiTrack Field Recorder Specifications

Inputs	INPUT1 - 8	Connectors	XLR/TRS combo jacks (XLR: 2 hot, TRS: TIP hot)
		Input source set to "Mic"	Input gain +10 – +75 dB
			Input impedance 3 k Ω or more
			Maximum input level +4 dBu (at 0 dBFS)
			Phantom power +24/+48 V, 10 mA maximum per channel
		Input source set to "Line"	Input gain –10 – +55 dB
			Input impedance 5 k Ω or more
			Maximum input level +24 dBu (at 0 dBFS)
		Equivalent input noise	–127 dBu or less (A-weighted, +75 dB input gain, 150 Ω input)
		Frequency response	20 Hz – 60 kHz, +0.5 dB/–1 kHz (192 kHz sample rate)
A/D dynamic range	113 dB typ. (–60 dBFS input, A-weighted)		
Crosstalk	–90 dB or less (between adjacent channels, 1 kHz)		
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 (line output level) 1 kHz, 600 Ω load
		Maximum output level	+10 dBV (normal output level) +24 dBu (line output level) 1 kHz, 600 Ω load
	SUB OUT 1/2	Connector	3.5 mm stereo mini (unbalanced output)
		Output impedance	100 Ω or less
		Reference output level	–10 dBV (normal output level) –40 dBu (mic output level) 1 kHz, 10 k Ω load

		Maximum output level	+10 dBV (normal output level) -20 dBu (mic output level) 1 kHz, 10 k Ω load
	HEADPHONE	Connector	1/4 inch stereo (unbalanced output)
		Output impedance	18 Ω or less
		Maximum output level	100 mW + 100 mW (32 Ω load)
	D/A dynamic range		105 dB typ. (-60 dBFS input, A-weighted)
Recording media		Dual SD card slots	SDHC cards: 4 GB - 32 GB SDXC cards: 64 GB - 1 TB
Recording formats	When WAV selected	Supported formats	44.1, 47.952, 48, 48.048, 88.2, 96 and 192 kHz 16-bit Linear, 24-bit Linear, 32-bit Float Mono/stereo/2-10ch poly BWF and iXML
		Maximum simultaneous recording tracks	10 (8 inputs + stereo mix) 8 (at 192 kHz sampling rate)
	When MP3 selected	Supported formats	128, 192 and 320 kbps 44.1 and 48 kHz ID3v1 tags
		Maximum simultaneous recording tracks	2
Recording time		Using a 32 GB card	23:08:00 (48 kHz/32-bit float stereo WAV) 5:47:00 (192 kHz/32-bit float stereo WAV)
Timecode		Connector	BNC
		Modes	Off, Int Free Run, Int Record Run, Int RTC Run, Ext and Ext Auto Rec (audio clock can be synchronized to timecode)
		Frame rates	23.976ND, 24ND, 25ND, 29.97ND, 29.97D, 30ND and 30D
		Precision	± 0.2 ppm
		Supported input levels	0.2 - 5.0 Vpp
		Input impedance	4.6 k Ω
		Output level	3.3 Vpp
		Output impedance	50 Ω or less
Power supplies		AA batteries	8 (alkaline, nickel-metal hydride or lithium)

		AC adapter	ZOOM AD-19, DC 12 V/2 A, center plus
		External DC power supply	HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9–18 V
Estimated continuous recording times	<ul style="list-style-type: none"> • These values are only estimates. • These values are based on in-house testing methods. They will vary greatly according to use conditions. 	2 channels to SD 1 48 kHz sampling frequency (32-bit float/16-bit linear/24-bit linear) MAIN/SUB OUT OFF, TIMECODE OFF, LED/LCD brightness 5, 32 Ω headphones, PHANTOM OFF	Alkaline batteries: about 6 hours NiMH batteries (2500 mAh): about 8.5 hours Lithium batteries: about 12 hours
		8 channels to SD 1 48 kHz sampling frequency (32-bit float/16-bit linear/24-bit linear) MAIN/SUB OUT OFF, TIMECODE OFF, LED/LCD brightness 5, 32 Ω headphones, PHANTOM OFF	Alkaline batteries: about 5 hours NiMH batteries (2500 mAh): about 7 hours Lithium batteries: about 10 hours
		8 channels to SD 1/2 192 kHz sampling frequency (32-bit float/16-bit linear/24-bit linear) MAIN/SUB OUT ON, TIMECODE Int Free Run, LED/LCD brightness 60, 32 Ω headphones, PHANTOM 48 V	Alkaline batteries: about 0.5 hours NiMH batteries (2500 mAh): about 1.5 hours Lithium batteries: about 2.5 hours
Display			2.4 inch full-color LCD (320 × 240)
USB	Connector		Mini-B • Use a USB cable that supports data transfer. USB bus power operation is not supported.
	Mass storage operation	Class	USB 2.0 High Speed
	Multi Track audio interface mode operation (driver required for Windows, not required for Mac)	Class Specifications	USB 2.0 High Speed Sampling rate: 44.1/48/88.2/96 kHz Bit depth: 24-bit linear/32-bit float 8-in/4-out
	Stereo Mix audio interface mode operation (no driver required) • Supports audio interface operation with iOS/iPadOS devices	Class Specifications	USB 2.0 Full Speed Sampling rate: 44.1/48 kHz Bit depth: 16-bit linear 2-in/2-out
	Audio interface operation with recording (driver required for Windows, not required for Mac)	Class Specifications	USB 2.0 High Speed Sampling rate: 44.1/48 kHz Bit depth: 24-bit linear/32-bit float 10-in/4-out
Power consumption			15 W

External dimensions	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 (including batteries)	1200 g

Note: 0 dBu = 0.775 Vrms