

Zoom F8 MultiTrack Filed Recorder Specifications

RECORDING MEDIA

Dual SD card slot supports:	16 MB–2 GB SD cards 4 GB–32 GB SDHC cards 64 GB–512 GB SDXC cards
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INPUTS: 1-8

Connectors:	XLR/TRS combo jacks (XLR: 2 hot, TRS: TIP hot)
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INPUTS: XLR (MIC)

Input gain:	+10 – +75 dB
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Input impedance:	3.3 k Ω
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Maximum input level:	+14 dBu (at 0 dBFS, limiter ON)
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Phantom power:	+24/+48V 10 mA maximum for each channel
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INPUTS: TRS (LINE)

Input gain:	-10 – +55 dB
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Input impedance:	28 k Ω
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Maximum input level:	+34 dBu (at 0 dBFS, limiter ON)
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INPUTS: ADDITIONAL INFO

RECORDING MEDIA

Equivalent input noise:	-127 dBu or less (A-weighted, +75 dB input gain, 150Ω input)
Frequency characteristics:	10 Hz – 80 kHz +0.5 dB/-1 dB (192 kHz sampling rate)
A/D dynamic range:	120 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 freely be assigned to tracks

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 Type), -40 dBV (Mic Output Type), 1 kHz, 600Ω load
Maximum output level:	+10 dBV (Normal Output Type), -20 dBV (Mic Output Type), 1 kHz, 600Ω load

OUTPUTS: SUB OUT 1/2

Connector:	3.5mm stereo mini unbalanced output jack
Output impedance:	100 Ω or less

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Reference output level:	-10 dBV (Normal Output Type), -40 dBV (Mic Output Type), 1 kHz, 10k Ω load
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Maximum output level:	+10 dBV (Normal Output Type), -20 dBV (Mic Output Type), 1 kHz, 10k Ω load
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HEADPHONE

Connector:	1/4" unbalanced stereo output jack
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Output impedance:	15 Ω or less
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Maximum output level:	100 mW + 100 mW (32 Ω load)
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D/A

D/A dynamic range:	106 dB typical (-60 dBFS input, A-weighted)
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RECORDING FORMATS: WHEN WAV SELECTED

Supported formats:	44.1/47.952/48/48.048/88.2/96/192 kHz, 16/24-bit, mono/stereo/2-10 ch poly, BWF and iXML
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Maximum simultaneous recording tracks:	10 (8 inputs + stereo mix) 8 (with 192 kHz sampling rate)
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RECORDING FORMATS: WHEN MP3 SELECTED

Supported formats:	128/192/320 kbps, 44.1/48 kHz, ID3v1 tags
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RECORDING MEDIA

Maximum simultaneous recording tracks:	2
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RECORDING TIME

Using a 32GB card:	30:51:00 (48 kHz/24-bit stereo WAV) 7:42:00 (192 kHz/24-bit stereo WAV)
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TIME CODE

Connector:	BNC
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Modes:	Off, Int Free Run, Int Record Run, Int RTC Run, Ext, Ext Auto Rec (auto to timecode)
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Frame rates:	23.976ND, 24ND, 25ND, 29.97ND, 29.97D, 30ND, 30D
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Precision:	±0.2 ppm
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Supported input levels:	0.2 – 5.0 Vpp
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Input impedance:	4.6 k Ω
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Output level:	3.3 Vpp
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Output impedance:	50 Ω or less
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POWER SUPPLIES

Batteries:	8 AA
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AC adapter:	AD-19 DC12V 2A (center plus)
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RECORDING MEDIA

External DC power supply:	HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9–16 V
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CONTINUOUS RECORDING TIME: WHEN RECORDING 2 CHANNELS AT 48KHZ/16-BIT WITHOUT HEADPHONES

Alkaline batteries:	8.5 hours or more
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NiMH (2450mAh):	10 hours or more
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Lithium batteries:	12.5 hours or more
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CONTINUOUS RECORDING TIME: WHEN RECORDING 8 CHANNELS AT 48KHZ/24-BIT WITH HEADPHONES

Alkaline batteries:	4.5 hours or more
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NiMH (2450mAh):	6 hours or more
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Lithium batteries:	8.5 hours or more
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CONTINUOUS RECORDING TIME: WHEN RECORDING 8 CHANNELS AT 192KHZ/24-BIT WITH HEADPHONES, PHANTOM

Alkaline batteries:	1 hour or more
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NiMH (2450mAh):	2 hours or more
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Lithium batteries:	3 hours or more
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DISPLAY

2.4" full-color LCD:	320x240
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USB: MASS STORAGE OPERATION

Class:	USB 2.0 High Speed
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USB: MULTITRACK AUDIO INTERFACE OPERATION (DRIVER REQUIRED FOR WINDOWS, NOT REQUIRED FOR MAC)

Class:	USB 2.0 High Speed
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Specifications:	44.1/48/96 kHz, 16/24-bit, 8-in/4-out
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USB: STEREO MIX AUDIO INTERFACE OPERATION (NO DRIVER REQUIRED)

Class:	USB 2.0 Full Speed
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Specifications:	44.1/48 kHz, 16-bit, 2-in/2-out
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Note: iPad audio interface operation supported (Stereo Mix mode o

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:	2.1 pounds (960 g)
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