

F6 MultiTrack Field Recorder Specifications

Recording media	SD cards, SDHC cards, SDXC cards (that conform to standards)		
Inputs	Inputs 1–6	Connectors	XLR jack (pin 2 hot)
		Input (mic)	Input gain +12 dB – +75 dB Input impedance 3 kΩ Maximum input level +4 dBu
	Input (line)	Input gain	-8 dB – +55 dB
		Input impedance	5 kΩ
		Maximum input level	+24 dBu
	Phantom power	+24/+48V 10mA maximum for each channel	
	Equivalent input noise	-127 dBu or less (A-weighted, +75 dB input gain, 150Ω input)	
	Outputs	Line output	Connectors
Output impedance			100 Ω or less
Reference output level			-10 dBV, 1 kHz, 10kΩ load
Maximum output level			+10 dBV, 1 kHz, 10kΩ load
D/A dynamic range			95 dB typ (-60dBFS input, A-weighted)
Headphone output		Connector	3.5 mm stereo mini unbalanced output
		Output impedance	15 Ω or less
		Maximum output level	100 mW + 100 mW (32Ω load)
		D/A dynamic range	108 dB typ (-60dBFS input, A-weighted)
Recording formats	When WAV selected		
	Supported formats	44.1/47.952/48/48.048/88.2/96/192 kHz, 16/24-bit/32-bit float, mono/stereo/2-8ch poly, BWF/iXML supported	
	Maximum simultaneous recording tracks	14 (6 inputs x 2 (Liner and Floating) + LR mix) 6 (6 inputs (Liner or Floating) at 192kHz sampling rate)	
	When MP3 selected		
	Supported formats	128/192/320kbps, 44.1/48 kHz, ID3v1 tags supported	
	Maximum simultaneous recording tracks	2	
Recording time	Using a 32 GB card		
		30:46:00 (48 kHz/24-bit stereo WAV)	
		7:41:00 (192 kHz/24-bit stereo WAV)	
Timecode	Connector	3.5 mm stereo mini (Tip: IN, Ring: OUT)	
	Modes	Off, Int Free Run, Int Record Run, Int RTC Run, Ext, Ext Auto Rec (audio clock can be synchronized to timecode)	
	Frame rates	23.976 ND, 24 ND, 25 ND, 29.97 ND, 29.97 D, 30 ND, 30 D	
	Precision	±0.2 ppm	
	Allowed input level	0.2 – 5.0 Vpp	
	Allowed input impedance	4.6 kΩ	
	Output level	3.3 Vpp	
	Output impedance	50 Ω or less	
Power	AC adapter (ZOOM AD-17): DC 5V/1A (supports USB bus power)		
	Sony® L-Series battery		
	4 AA batteries (alkaline, lithium or rechargeable NiMH batteries)		

Continuous recording time	48 kHz/16-bit 2ch recording to SD card (LINE OUT off, TIMECODE off, LED/LCD Brightness 5, headphones into 32Ω load, PHANTOM off)			
	Alkaline batteries	7.5 hours or more		
	NiMH batteries (2450 mAh)	10.5 hours or more		
	Lithium batteries	16.5 hours or more		
	48 kHz/24-bit 6ch recording to SD card (LINE OUT off, TIMECODE off, LED/LCD Brightness 5, headphones into 32Ω load, PHANTOM off)			
	Alkaline batteries	5 hours or more		
	NiMH batteries (2450 mAh)	7 hours or more		
	Lithium batteries	10.5 hours or more		
	192 kHz/24-bit 6ch recording to SD card (LINE OUT on, TIME CODE set to Int Free Run, LED/LCD Brightness 60, headphones into 32Ω load, PHANTOM at 48 V)			
	Alkaline batteries	0.5 hours or more		
NiMH batteries (2450 mAh)	1.5 hours or more			
Lithium batteries	3.5 hours or more			
Display	1.54" full-color LCD (240 × 240)			
USB	Mass storage operation			
	Class	USB 2.0 High Speed		
	Multitrack audio interface operation (driver required for Windows, no driver required for macOS)			
	Class	USB 2.0 High Speed		
	Specifications	Sampling rate	44.1/48/88.2/96 kHz	
		Bit Rate	16/24-bit	
		Channels	6 in/4 out	
	Stereo mix audio interface operation (no driver required)			
	Class	USB 2.0 Full Speed		
	Specifications	Sampling rate	44.1/48 kHz	
		Bit Rate	16-bit	
		Channels	2 in/2 out	
	Note: iOS device audio interface operation supported (stereo mode only)			
	AIF with Rec operation (driver required for Windows, no driver required for macOS)			
	Class	USB 2.0 High Speed		
Specifications	Sampling rate	44.1/48 kHz		
	Bit Rate	16/24-bit		
	Channels	8 in/4 out		
Power consumption	Main unit only	1 W		
	Using L battery with FRC-8 connected	10 W		
External dimensions	100 mm (W) × 119.8 mm (D) × 62.9 mm (H)			
Weight	520 g			