

# H4n Pro Handy Recorder Specifications

Recorder		STEREO mode	4CH mode	MTR mode
	Simultaneous recording tracks	2	4	2
	Simultaneous playback tracks	2	4	4
	Recording time	4GB (SDHC)		
		About 380 minutes (44.1kHz/16-bit stereo WAV tracks)		
		About 68 hours (44.1kHz/128kbps Stereo MP3 tracks)		
		Note: These recording times are approximations. Actual times might be slightly shorter according to recording conditions.		
	Maximum recording file size	2 GB		
	Projects	1000/card		
	Counter	Hour: minute: second: millisecond		
Other functions	Punch-in/out, bounce, A-B repeat			
Effects	Modules	2		
	Stereo/4CH mode: LO CUT, COMP/LIMITER			
	MTR mode: PRE AMP module, EFX module			
	Types	53		
	Patches	60		
	Tuners	Chromatic, Guitar, Bass, Open A/D/E/G		
Metronome	Sounds	5		
	Rhythmic patterns	Unaccented, 1/4–8/4, 6/8		
	Tempo range	40.0–250.0 BPM		
A/D conversion	24-bit	128× oversampling		
D/A conversion	24-bit	128× oversampling		
Recording media	SD cards (16MB – 2GB), SDHC cards (4GB – 32GB)			
Data types	WAV format			
	Recording/playback	Quantization: 16/24-bit		
		Sampling frequencies: 44.1/48/96 kHz		
	MP3 format			
	Recording	Bit rates: 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 kbps, VBR		
		Sampling frequency: 44.1 kHz		
Playback	Bit rates: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 kbps, VBR			
	Sampling frequencies: 44.1/48 kHz			
Display	128×64 dot matrix	Full-dot LCD (with backlight)		

Inputs	Built-in mics	Directionality	Unidirectional	
		Sensitivity	–45dB/1Pa at 1kHz	
		Input gain	–16 dB – +51 dB	
	EXT MIC	Maximum sound pressure input	140 dBspl	
		Input gain	–16 dB – +51 dB	
		Input impedance	2 kΩ or more	
		Supports plug-in power		
		INPUT 1 and 2 balanced input	Connector	XLR (pin 2 hot)
	Input gain		–16 dB – +43 dB	
	Input impedance		3.0 kΩ or more	
Maximum permissible input level	–6 dBu			
EIN	–120 dBu or less			
INPUT 1 and 2 unbalanced input	Connector	Standard phone		
	Input gain	–30 dB – +32 dB		
	Input impedance	470 kΩ or more		
	Maximum permissible input level	+2 dBu		
	Outputs	LINE/PHONE stereo mini jack	LINE output load impedance	10 kΩ or more
LINE rated output level			–10 dBu	
Built-in speaker		PHONE	17 mW + 17 mW (into 32Ω load)	
			400mW 8Ω mono speaker	
Phantom power	48 V, 24 V, OFF			
USB	USB 2.0 High Speed			
	Operation as mass storage or audio interface USB functions can be powered using USB bus power			
Power	DC 5V 1A AC adapter (ZOOM AD-14), 2 AA batteries			
Continuous recording time	STEREO mode			
	Using built-in mics at 44.1kHz/16-bit without headphones connected About 5.5 hours using alkaline batteries or about 7.5 hours using NiMH (2500mAh) batteries			
External dimensions	STAMINA mode			
	Using built-in mics at 44.1kHz/16-bit without headphones connected About 8 hours using alkaline batteries or about 10.5 hours using NiMH (2500mAh) batteries			
Weight	73 (W) × 157.2 (D) × 37 (H) mm			
	294 g			

Notes: 0 dBm = 0.755 Vrms

For the purpose of improvement, product specifications and appearance are subject to change without notice.