



Flash RAM-based Digital Recorder Comparison Chart

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	Marantz PMD620	Marantz PMD660	Marantz PMD670	Marantz PMD671	Zoom H-4	Zoom H-2	Edirol R-09	M-Audio MicroTrack II	HNB DRM85	Sony PCMD50	Sony PCMD1	Tascam DR-1	Fostex FR-2LE	Olympus LS-10
Mic Inputs	3.5mm (STEREO)	2 (XLR)	2 (XLR)	2 (XLR)	2 (Unijack-1/4" TS & XLR)	3.5mm (STEREO)	3.5mm (STEREO)	2 (1/4" TRS)	0	3.5mm (STEREO)	3.5mm (STEREO)	2 (3.5mm and 1/4" mic inputs)	2 (XLR)	3.5mm (STEREO)
Phantom Power?	5v	48v	48v	48v	24v & 48v	Yes (mini condenser)	Plug-in power on mic input, similar to laptop computers	48v	N/A	Plug-in power on mic input, similar to laptop computers	Yes (no voltage specified)	Plug-in power on 3.5mm mic input, similar to laptop computers	48v	Plug-in power on mic input, similar to laptop computers
Built-In Mics	2 omni condensers	2	1	1	2	4	2	No, 3.5mm plug-in electret mic supplied	Built-In Omni	2 electret condensers (2-position: X-Y or Wide)	2	2 (adjustable angle)	2 (case-mounted)	2
Built-in Speaker	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	Yes	Yes
Line Inputs	1 (3.5mm)	1 (3.5mm)	1 (RCA Pair)	1 (RCA Pair)	shared with Mic inputs	1 (3.5mm)	1 (3.5mm)	1 (1/8" TRS-shared with Mic w/ 5v power)	0	-	1 (3.5mm)	1 (3.5mm)	2 (TS-shared with mic inputs)	1 (3.5mm)
Line Outputs	1 (3.5mm)	1 (3.5mm)	1 (RCA Pair)	1 (RCA Pair)	1 (3.5mm)	1 (3.5mm)	3.5mm (headphones - shared with optical out)	1 (RCA Pair)	3.5mm headphone	-	3.5mm (shared with optical out)	3.5mm (line/headphone)	1 (RCA pair)	3.5mm (line/headphone)
Digital Inputs	-	-	1 (S/PDIF Coax)	1 (S/PDIF Coax)	-	-	-	1 (S/PDIF Coax)	-	3.5mm optical	-	-	-	-
Digital Outputs	-	-	1 (S/PDIF Coax)	1 (S/PDIF Coax)	-	-	1 optical	-	-	3.5mm optical	1 optical	-	-	-
Power Source	2 "AA"	4 "AA"	8 "AA"	8 "AA"	2 "AA"	2 "AA"	2 "AA"	Built-in Lithium Rechargeable	2 "AA"	4 "AA"	4 "AA"	Built-in Lithium Rechargeable	4 "AA"	2 "AA"
On-Board Memory	512Mb (SD card)	64Mb (CF card)	64Mb (CF card)	64Mb (CF card)	128Mb (SD Card)	512Mb (SD Card)	64Mb (SD Card)	64Mb (CF card)	1Gb	4GB	4 Gb	1Gb (SD card)	128Mb (CF Card)	2GB Built-in NAND
Max Memory Capacity	up to 2 Terabytes with SDHC card	up to 10Gb (μDrive)	up to 2Tb (μDrive)	up to 2 Tb (μDrive)	2Gb	4Gb	8Gb+ with SDHC cards	up to 10Gb (μDrive)	1Gb	8GB	4Gb (Memory Stick)	32Gb	8Gb	Supports 512MB SD to 8GB SDHC cards
Recording Formats	wav mp3	wav mp3 bwf	wav mp2 mp3 bwf	wav mp3 bwf	wav mp3	wav mp3 bwf	wav mp3	wav mp3 bwf	wav mp2 bwf	wav	wav	mp3 wav	wav mp3 bwf	wav mp3 wma
USB Interfaces	UMS (USB 2.0)	UMS	UMS	UMS	USB Sound and UMS	UMS (USB 2.0)	UMS (USB 2.0)	UMS (USB 2.0)	UMS	UMS (USB 2.0)	UMS (USB 2.0)	UMS (USB 2.0)	UMS (USB 2.0)	UMS (USB 2.0)
PC/Mac Compatibility	Both	Both	Both	Both	Both	Both	Both	Both	Both	Both	Both	Both	Both	Both
Estimated Battery Life	5 hrs.	4 hrs.	6 hrs.	6 hrs.	4 hrs.	4 hrs.	4 hrs.	4-5 hrs.	>6 hrs.	12 hrs.	4 hrs.	7 hrs.	8 hrs.	12 hrs.
Dimensions (inches)	2.5 x 4 x 1	4.5 x 1.9 x 7.2	10.4 x 2 x 7.3	10.4 x 2 x 7.3	2.75 x 6.02 x 1.38	4.5 x 1.5 x .75 est.	4.06 x 2.5 x 1.187	estimated: 2.4 x 4.3 x 1.14	Length 9.6-Dia. 2	2.87 x 6.13 x 1.94	2.87 x 6.75 x 1.31	2.8 x 5.3 x 1.1	2.25 x 8.11 x 5.2	1.9 x 5.17 x .9 (without protrusions)
NOTES	Has 1/8" stereo headphone output. Offers Skip Back audio review up to 60 sec.	Max File Size is 4.3Gb	Max File Size is 4.3Gb	Max File Size is 4.3Gb	-	-	Now accepts SDHC cards (currently up to 8GB) in addition to SD cards. Available in black, red and white.	Has 1/8" stereo headphone output. Comes with editing software.	Memory is built in - not removable. Has headphone out. Also available in cardioid model.	Headphone output. Digital pitch control.	Max File Size is 2Gb - uncompressed audio only	3V plug-in power on minijack mic input only	"Fail safe recording" feature guards against losing recordings due to power failure	Uncompressed 24 bit/96 kHz Linear PCM recording capability; manual recording level adjustment