

Tascam DR-100MKIII Specs

Portable Recorder

Number of Tracks	2
Max Sample Rate/Resolution	192 kHz / 24-Bit
Microphone	Built-In Omnidirectional Electret Condenser Stereo Pair, A/B Configuration Built-In Cardioid Electret Condenser Stereo Pair, A/B Configuration
Built-In Speaker	Yes, 0.4 W Mono
Display	Monochrome LCD (Backlit)
Memory Card Support	SD (64 MB to 2 GB) SDHC (4 GB to 32 GB) SDXC (48 GB to 128 GB)
Internal Storage	<i>None</i>

Recording

Audio File Formats	BWF, MP3, WAV
Sample Rates	WAV: 44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz

MP3:
44.1 / 48 kHz

Bit Depth 16 / 24-Bit

Bit Rates 128 to 320 kb/s

Signal Processing Auto Gain, Limiter, Low-Cut Filter, Speed Change

Timecode No

Clock Accuracy 1 ppm

Recording Time

- WAV 44.1 kHz/16-Bit:**
1 Hr 34 Mins per GB (Stereo)
- WAV 48 kHz/16-Bit:**
1 Hr 27 Mins per GB (Stereo)
- WAV 88.2 kHz/16-Bit:**
47 Mins per GB (Stereo)
- WAV 96 kHz/16-Bit:**
43 Mins
- WAV 176.4 kHz/16-Bit:**
24 Mins per GB (Stereo)
- WAV 192 kHz/16-Bit:**
22 Mins per GB (Stereo)
- WAV 44.1 kHz/24-Bit:**
1 Hr 3 Mins per GB (Stereo)
- WAV 48 kHz/24-Bit:**
58 Mins per GB (Stereo)
- WAV 88.2 kHz/24-Bit:**
31 Mins per GB (Stereo)
- WAV 96 kHz/24-Bit:**
29 Mins per GB (Stereo)
- WAV 176.4 kHz/24-Bit:**
16 Mins per GB (Stereo)
- WAV 192 kHz/24-Bit:**
14 Mins per GB (Stereo)
- MP3 128 kb/s:**
17 Hrs 22 Mins per GB (Stereo)

MP3 192 kb/s:

11 Hrs 34 Mins per GB (Stereo)

MP3 256 kb/s:

8 Hrs 41 Mins per GB (Stereo)

MP3 320 kb/s:

6 Hrs 57 Mins per GB (Stereo)

Connectivity

Analog I/O**2 x** Combo XLR-1/4" TRS Female Balanced Line/Mic Input (Lockable)**1 x** 1/8" / 3.5 mm TRS Female Unbalanced Line/Mic Input**1 x** 2.5 mm TRS Female Remote Input**Digital I/O****1 x** 1/8" / 3.5 mm TS AES3 / S/PDIF Input**Phantom Power**

+24 / 48 V (Applied to All Inputs)

Phantom Power Current

3 mA per Channel

Plug-In Power

Yes

Host Connection**1 x** Micro-USB (USB 2.0)

Performance

Frequency Response

20 Hz to 20 kHz +0.5/-1 dB (At 44.1 kHz, JEITA)

20 Hz to 20 kHz +0.5/-1 dB (At 48 kHz, JEITA)

20 Hz to 40 kHz +0.5/-2 dB (At 88.2 kHz, JEITA)

20 Hz to 40 kHz +0.5/-2 dB (At 96 kHz, JEITA)

20 Hz to 80 kHz +0.5/-4 dB (At 176.4 kHz, JEITA)

20 Hz to 80 kHz +0.5/-4 dB (At 192 kHz, JEITA)

Max Input Level

Mic Inputs:
-14 dBu (Pad On)
Line Inputs:
+24 dBu
Mic/Aux Inputs:
-2.8 dBu (Pad On)
Line/Aux Inputs:
-10 dBV

Max Output Level

Line Outputs:
+6 dBV

Headphone Output Power

40 mW per Channel into 32 Ohms

Impedance

Mic Inputs:
≥2 Kilohms
Line Inputs:
≥20 Kilohms
1/8" / 3.5 mm Inputs:
≥50 Kilohms (Mic Level)
≥2 Kilohms (Line Level)
Line Outputs:
200 Ohms

SNR

Inputs:
109 dB
Outputs:
102 dB

THD

≤0.007%

EIN

≤124 dBu

Microphone Max SPL

125 dB SPL

Power

Power Options Batteries, USB Bus Power, AC/DC Power Adapter

Battery Type **1 x** Internal Rechargeable (Included)
2 x AA (Hot-Swappable, Not Included)

Approximate Battery Life **WAV 44.1 kHz/16-Bit:**
12 Hours (Lithium-Ion, 2 Channels, Phantom Off, Recording)
6 Hours (Lithium-Ion, 2 Channels, Phantom On, Recording)
2.75 Hours (Alkaline, 2 Channels, Phantom Off, Recording)
1 Hour (Alkaline, 2 Channels, Phantom On, Recording)
3.5 Hours (NiMH, 2 Channels, Phantom Off, Recording)
2.25 Hours (NiMH, 2 Channels, Phantom On, Recording)
7 Hours (Lithium, 2 Channels, Phantom Off, Recording)
3.5 Hours (Lithium, 2 Channels, Phantom On, Recording)

AC/DC Power Adapter 5 VDC (Not Included)

Physical

Mounting Options 1/4"-20 Female

Operating Temperature 32 to 104°F / 0 to 40°C

Dimensions 3.1 x 6.1 x 1.4" / 80 x 155.7 x 35 mm

Weight	13.2 oz / 375 g (Without Batteries) 15 oz / 425 g (With Batteries)
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Packaging Info

Package Weight	1.385 lb
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Box Dimensions (LxWxH)	8 x 5.55 x 3.3"
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