

# The Marantz DV-3100 DVD Video Player: An Exceptional Performer.



## Audio Section

Laser pickup	Semiconductor laser
Wavelength	650 nm
Frequency response (digital audio)	4 Hz to 20 kHz
	96 kHz sampling 4 Hz to 44 kHz
Audio CD	4 Hz to 20 kHz
Signal to noise ratio (digital audio)	>100 dB
Dynamic range (digital audio)	>95 dB
Total harmonic distortion (digital audio)	<.008%
Digital audio outputs:	coaxial RCA connector x 1
	0.5 V (p-p), 75 $\Omega$
Analog audio outputs:	2.0 V (rms), 330 $\Omega$ ,
	RCA jack (L, R) x 1

## Video Section

Signal system	Standard NTSC
Composite video output	1.0 V (p-p), 75 $\Omega$ , negative sync
	RCA jack x 1
S-Video output	(Y) 1.0 V (p-p), 75 $\Omega$ , negative sync
	(C) 0.286 V (p-p), 75 $\Omega$
	Mini DIN 4-pin x 1
Component video output	(Y) 1.0 V (p-p), 75 $\Omega$ , negative sync
	(Cb)/(Cr) 0.7 V (p-p), 75 $\Omega$
	RCA jack x 3

## General

Power requirements:	120 V, 60 Hz, 16 W
Dimensions H x W x D:	3 1/2" x 17" x 8 1/32"
	88mm x 430mm x 215mm
Weight:	7.1 lbs. 3.2 kg

The Marantz DV-3100 DVD player is engineered for exceptional picture and sound quality. It features 10-bit, 27MHz video processing for unsurpassed clarity and color purity, along with 96KHz/24-bit audio capability, plus built-in Dolby Digital® and DTS® compatibility for superior audio performance and surround sound realism.

### DV-3100 Features:

**10-bit video D/A conversion with 27MHz filtering** provides extremely high-resolution video quality and color purity with an improved video signal-to-noise ratio.

**Dolby Digital® and DTS® surround sound compatibility**, for accurate playback of both discrete 5.1-channel digital surround sound formats.

**96 kHz/24-bit D/A converter** deliver state-of-the-art sonic performance.

**Premium optics and drive mechanism** assure reliable, glitch-free playback.

**Component video outputs** provide maximum quality video playback. S-Video and composite video are also included, as well as a coaxial digital audio output.

**Spatializer N-2-2™ 3D virtual surround sound technology** processes movie soundtracks and stereo audio using advanced DSP circuitry to create a realistic, cinema-like surround sound environment using the TV's two built-in speakers or a two-channel stereo system.

**Video CD and CD-R playback capability** in addition to DVD Video and CD playback make the DV-3100 the ideal all-in-one program source for a totally integrated home entertainment system.

**Remote control operation and graphical user interface (GUI) on-screen menu** provides easy and intuitive operation.

**D-BUS remote connection** allows linkage to other Marantz components for integrated system operation.

**Full complement of viewing options and interactive capabilities** offered by the DVD-Video format, including multiple camera angles and aspect ratios, a choice of language tracks and subtitles, parental control and more.

**Wide selection of convenience functions** such as a variety of slow motion, forward and reverse scan speeds, 16-power zoom, chapter and track search functions and much more.

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DTS is a registered trademark of DTS Technology.

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