

SOUND & VISION

Extended lab results on the Denon DVD-3910 universal DVD/SACD player, tested for the January 2005 S&V. © 2004 by Hachette Filipacchi Media, U.S., Inc. All rights reserved.

in the lab

DVD-VIDEO PERFORMANCE

Maximum-white level error +1 IRE

Setup level +7.5 IRE

Horizontal luminance response (re 1 MHz)

3/4 MHz -0.91/-1.7 dB

5/6 MHz -2.85/-4.4 dB

6.75 MHz -5.7 dB

Onscreen horizontal resolution 540 lines

In-player letterboxing good

AUDIO PERFORMANCE

Frequency response (from 20 Hz to . . .)

Dolby Digital 20 kHz +0.02, -0.24 dB

CD 20 kHz +0.05, -0.001 dB

DVD-Audio 45.3 kHz +0.48, -0.001 dB

SACD 59.9 kHz +0.82, -2.8 dB

Noise level (re -20-dBFS signal)

Dolby Digital (16-bit signal) -74.5 dB

CD -75.6 dB

DVD-Audio (24-bit signal) -91.9 dB

SACD -91.6 dB

BASS MANAGEMENT

80-Hz crossover setting.

Main-channel high-pass-filter response

12-dB/octave rolloff below -3-dB point of 80 Hz

Subwoofer-output low-pass-filter response

24-dB/octave rolloff above -6-dB point of 80 Hz

Subwoofer maximum output level

1.8 volts with 0.03% THD+N

The Denon DVD-3910 proved to be as able a performer on the test bench as during my listening and viewing tests. There were no problems with video reproduction even in progressive-scan mode. And luminance response through the component-video output was much better than the composite-video figures given above. Between 2 and 5 MHz, it

varied less than 0.4 dB! Audio from all kinds of discs was extremely clean, and audio noise levels were superb, with the two high-resolution formats decisively quieter than plain CD — not always the case. Bass-management settings applied to all formats, and for once, so did the speaker-distance compensation. Glory be!
— *David Ranada*