

DENON

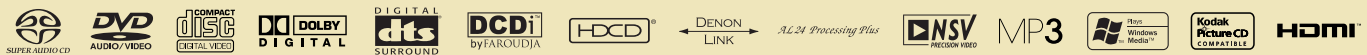
DVD Audio/Video & Super Audio CD Player

DVD-3910

TENTATIVE

DVD Audio/Video & Super Audio CD Player with Dual Discrete Video Circuit

The DVD-3910 is endowed with technology to unleash the full impact of DVD-Video picture quality. The DVD-3910 also uses dual 12-bit, 216-MHz video D/A converters to faithfully preserve the delicate low-level signals often lost during D/A conversion. With these advanced video image technologies, the DVD-3910 will reproduce with the highest resolution, DVD images on Progressive-compliant monitors and projectors. For sound, it is high quality audio D/A conversion and Digital Bass Management that will bring out the best of not only Super Audio CD and DVD-Audio discs, but your entire CD collection as well.



- **HDMI Interface with Multi Channel Audio/ DVI Digital Video Output (*1)**
 - 720p/ 1080i Scaling
 - Squeeze Mode

- **HDMI Multi Channel Audio Ready**

- **Dual Discrete Video Circuit (D.D.V.C.)**
 - **Dual 12-bit, 216-MHz Video D/A Converters**

An extremely high-speed video D/A converter is a critical component in superior quality digital video playback. The DVD-3910 therefore uses dual 12-bit, 216-MHz video D/A converters to ensure highly accurate playback of delicate, low-level video signals and give you a vivid picture that is faithful in every detail. Oversampling of 4x is achieved for Progressive and 8x for Interlaced video signals, allowing more detailed D/A conversion. Higher quality picture reproduction is also possible thanks to a filter with flexible shutout characteristics that is used for the analog filter in the latter stage. Furthermore, the DVD-3910 uses two separate video D/A converters to process Progressive and Interlaced signals. This eliminates mutual interference between the Progressive and Interlaced signals.

- **Noise Shaped Video (NSV)**
- **Super Sub Alias Filter**

- **Discrete Audio/Video circuit**

To ensure high-quality sound and video playback, all circuits have been given in a discrete design, a feature inherited from high-end equipment. The audio and video circuits have been mounted on separate boards that are in complete isolation from each other in order to thoroughly suppress high-frequency video noise.

The power section has been given in a discrete design as well, with separate power units provided for the audio block, video block, and digital block, ensuring a clean, stable supply of power to all circuits. Interference among the circuits is thus thoroughly suppressed to produce high-grade playback with minimal noise.

From basic design to ease of use, the DVD-3910 has been carefully designed in every detail to deliver superior playback performance.

- **Newly Developed Image Correction Circuitry**

- **Progressive Scan featuring DCDi by Faroudja**

Progressive Scan technology represents a vast improvement over the interlaced scanning method used in TV broadcasts and other conventional applications, as it can process around twice as much video data to produce a sharper, noise-free picture with finer details. High-definition video images are faithfully displayed with optimum naturalness and beauty. Now, this DCDi technology that was available only in the higher-end DVD players has been included in Denon's affordable DVD-3910.

- **DENON LINK Digital Output**

- **IEEE 1394 Digital Outputs**

- **DVD-Audio/ Super Audio CD Universal Player**

- **AL24 Processing Plus**

- **HDCD decoding**

- **All Channel Equal 24-bit, 192-kHz Audio D/A Converters**

The DVD-3910 uses 24-bit, 192-kHz audio D/A converters that is well protected from noise caused by fluctuations in current from the power supply. Since the level of quantization noise within the frequency range is uniform for all frequencies, this D/A converter ensures that all the sound you hear is as clear and noise-free as possible.

- **Pure Direct Mode**

The DVD-3910 includes two Pure Direct modes that further improves sound quality. For example, during analog audio output, Pure Direct can turn off digital signal outputs, video signal outputs, and the front panel display which can easily influence the sound quality of the analog audio signals. The user can define which operations are to be turned off and store those preferences in memory.

■ Loading Mechanism for Suppression of Vibrations (S.V.H. Mechanism)

The newly-developed loading mechanism uses a guide and tray painted with protein material that is highly resistant to vibrations in order to prevent unwanted vibrations to the tray.

■ Shielded 3 Box Chassis

■ Thorough Vibration-resistant Design

Since the high-density data recorded on DVD must be read with absolute accuracy, vibrations from outside or from internal sources, such as the power supply, will adversely affect sound and picture quality. A variety of designs have been incorporated in the DVD-3910 to suppress these unwanted vibrations:

- The DVD mechanism section in the main chassis has been divided in a two-box construction to further protect it from vibrations.

■ Digital Bass Management

When playing DVD-Video, DVD-Audio or Super Audio CD sources, it is possible to preset speaker configurations. The crossover point is variable with 12 dB high and 24 dB low pass filter slopes.

■ SRS True Surround

The DVD-3910 is equipped with SRS's True Surround circuit, a high-grade surround virtualizer that lets you enjoy the excitement of 5-channel audio with only using 2 speakers.

■ Specially Selected Parts for High Sound and Picture Quality

■ DVD-R/RW (DVD-Video Recording Mode) Playback (*2)

■ CD-R/RW (MP3 / JPEG/ Kodak Picture CD) Playback (*2)

The DVD-3910 supports the CD-R/RW format. It plays finalized CD-R/RW discs containing MP3 audio files. It also reads still photos in the JPEG format taken by a digital camera.

■ Brilliant Black

DVD-3910 can pass below black video (PLUGE) via the progressive or interlace video outputs for correct monitor setup and optimum picture quality.

■ A Wealth of Picture Quality Adjustment Functions

Contrast, Brightness, Hue, Sharpness, and Gamma can be adjusted as desired by the user.

■ On Screen Display

■ RS-232C Port (Third-party system controls only)

Includes a RS-232C port to support an AMX, Crestron integrated control system.

■ Remote IN/OUT Terminals

Specifications

■ Video Section

Signal system NTSC/PAL selectable
Disc played DVD Audio, DVD Video, DVD-R/RW (DVD Video), Super Audio CD,
Video CD, Music CD, CD-R/RW (AUDIO/MP3/JPEG),

Picture CD

Video outputs..... 1 Set of Composite video output:
1 Vp-p (with 75 ohms load)
1 Set of S-Video output:
Y; 1 Vp-p (with 75 ohms load), C; 0.286 Vp-p
(NTSC)

1 Set of Component Video Output: Y, Cb/Pb, Cr/Pr:
Y; 1.0 Vp-p (with 75 ohms load),
Cb/Pb; 0.648 Vp-p (with 75 ohms load),
Cr/Pr; 0.648 Vp-p (with 75 ohms load)
1 Set of DVI Output
1 Set of HDMI Output

■ Audio Section

Audio outputs 1 Set Analog Front Channel (FL/FR) Output,
1 Set Analog Multi Channel
(FL/FR/C/SL/SR/C/SW) Output,
1 Set Optical Digital Output,
1 Set Coaxial Digital Output,
1 Set of DENON Link

Signal-to-noise ratio 118 dB
Dynamic range 110 dB
Total harmonic distortion 0.0009 %

■ General

Power supply AC 120 V, 60 Hz
Power consumption 27 W
Dimensions 434 (W) x 137 (H) x 403 (D) mm, 17.1" (W) x 5.4" (H) x
15.9" (D)
Weight..... 9.3 kg, 20.5 lbs

*Black version is available.

(*1) No signal is output when a device with HDCP-compliant DVI output is connected to a display that does not support HDCP. A display supporting HDCP must be connected in order to view images via DVI.

(*2) Discs that have been poorly finalized following recording may be only partially playable or not playable at all.



*Design and specifications are subject to change without notice.

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