

# DVD-1940

DVD-Audio/Video &amp; Super Audio CD Player

# DENON

## DVD Audio/Video & Super Audio CD Player features 1080p HDMI scaling

The DVD-1940 is endowed with technology to unleash the full impact of DVD-Video picture quality. The DVD-1940 also uses 12-bit, 216-MHz video D/A converter to faithfully preserve the delicate low-level signals often lost during D/A conversion. With these advanced video image technologies, the DVD-1940 will reproduce with the highest resolution, DVD images on Progressive-compliant monitors and projectors. In addition to these features, the DVD-1940's HDMI port supports multi-channel DVD-Video and DVD-Audio output when connected to HDMI compliant equipment. 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.



### Bullet points

- **HDMI Interface with Multi Channel Audio <sup>(1)</sup> (480p/720p/1080i/1080p Scaling)**

HDMI is the only interface in consumer electronics that can carry both uncompressed high-definition (HD) video and uncompressed multi-channel audio in all HD formats including 720p, 1080i and even 1080p. An all-digital, uncompressed signal translates into the highest quality video and audio, seen and heard, direct from the source. DVD-1940 scaling circuit supports up to 1080p.

- **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-1940.

The DVD-1940 has a feature of manual IP detection mode selection. Even if a DVD-Video disc was mastered with wrong progressive flag or without a flag, the user can select a mode (Auto1, Auto2, Video1, 2 or 3) to enjoy higher performance of picture quality.

- **12 bit, 216 MHz High Resolution Video D/A Converters**

- **HDMI/Component (Interlace) Parallel video outputs**

- **2 MB Buffer Memory**

This unit is equipped with a 2 MB buffer memory to ensure that both picture and sound are played without interruption when the DVD disc shifts from layer 1 to layer 2, or in the rare event of a pickup dropout.

- **Picture Adjustment function**

Brightness/Contrast/Colour/ Gamma Correction/Sharpness

- **Picture Zooming (x2 or x4)**

- **DivX Ultra**

<sup>(\*)</sup>Official DivX <sup>®</sup> Ultra Certified product

<sup>(\*)</sup>Plays all versions of DivX <sup>®</sup> video (including DivX <sup>®</sup> 6) w/ enhanced playback of DivX <sup>®</sup> media files and the DivX <sup>®</sup> Media Format

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

- **DVD-R/RW Playback <sup>(2)</sup>**

With the increasing presence of DVD recorders, consumers are increasingly recording audio and video material onto DVD discs. These discs can be played back on the DVD-1940.

- **CD-R/RW and DVD-R/RW (MP3 / Windows Media Audio 9 / JPEG / Kodak Picture CD/DivX) Playback <sup>(2)</sup>**

The DVD-1940 supports the CD-R/RW and DVD-R/RW formats. It plays finalised CD-R/RW and DVD-R/RW discs (single-session or multi-session) containing MP3/WMA9 audio files. It also reads still photos in the Kodak Picture CD or JPEG format taken by a digital camera. WMA (Windows Media Audio) is an audio compression format developed with Microsoft technology. It claims to offer the highest quality sound available in the industry. If WMA is used to compress a music CD on a PC, for instance, using the new Encoder 9, the quality of sound at 48 kbps is said to be equivalent to that of the original CD.

- **24-bit, 192-kHz High Resolution Audio D/A Converters**

- **Bass Management for HDMI Output**

- **A Wealth of Playback Functions**

The DVD-1940 includes a wide variety of playback functions, such as Resume Play, for returning to the Pause position on the disc after the playback was restarted; Slow Play; Repeat Play (A-B, Chapter, Track, Disc); Random Play and Program Play.

- **Aluminum Front Panel**

The DVD-1940 features the front panel is made of strong, high-grade aluminum. When combined with a Denon A/V surround amp of uniform design, the matching front panels give a touch of elegance to any decor.

- **Video Format Conversion**

NTSC disc -> PAL output  
PAL disc -> NTSC output

- **AC Inlet**

**• Aspect Ratio Function for Correct Image Displays**

When you want to view video images with an aspect ratio of 4:3 on a 16:9 Progressive TV monitor, the DVD-1940's Aspect Ratio function converts the images to the correct aspect ratio so that you can enjoy high-quality Progressive output on your screen. This function also converts 16:9 images for output to 4:3 TV screens.

**• OSD GUI**

A simple press of the Display button on the remote controller lets you see the current operating status of the DVD-1940 within an easy-to-read display on screen. The various operations and settings are easily changed using the remote controller while monitoring the screen display.

**• 24 bit/96kHz PCM Digital Output Capability**

**• PCM, Dolby Digital and DTS Digital Surround Output**

**• Remote IN/OUT Terminals**

**• Auto Power OFF**

\*1) Version 1.3 compliant. HDMI audio output capacity is dependent on the monitor being used. HDMI outputs is HDCP compliant. Video cannot be viewed if connected to a monitor that does not support HDCP; video can be viewed only on HDCP-compliant monitors.

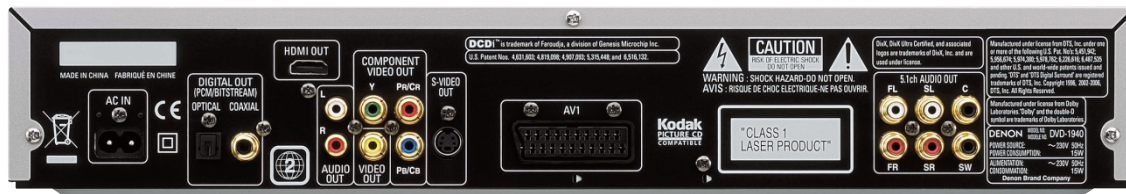
\*2) Discs that have been poorly finalised following recording may be only partially playable or not playable at all.

**Specifications**

<b>Video Section</b>	
<b>Signal system</b>	NTSC/PAL
<b>Disc played</b>	
DVD Audio, DVD Video, Music CD, Video CD CD-R/RW (Audio/MP3/WMA/JPEG/Kodak picture CD/DivX) DVD-R/RW(Audio/MP3/WMA/JPEG/Kodak picture CD/DivX), Super Audio CD	
<b>Video outputs</b>	
Composite Video Output: 1.0 Vp-p (with 75 ohms load)	
S-Video Output: Y; 1.0 Vp-p (with 75 ohms load), C; 0.3 Vp-p	
Component Video Output: Y, Pb/Cb, Pr/Cr: Y; 1.0 Vp-p (with 75 ohms load), Pb/Cb; 0.7 Vp-p (with 75 ohms load), Pr/Cr; 0.7 Vp-p (with 75 ohms load)	
1 HDMI Output	
<b>Audio Section</b>	
<b>Audio outputs</b>	
1 Set of Analog Output (L/R) 1 Set of Multi channel (Front L/R, Centre, Surround L/R, Subwoofer)	
1 Optical Digital Output 1 Coaxial Digital Output 1 HDMI output	
<b>Frequency response</b>	
DVD	4 Hz - 22 kHz (48kHz sampling) 4 Hz - 44 kHz (96kHz sampling) 4 Hz - 88 kHz (192kHz sampling)
CD	4 Hz - 20 kHz
Super Audio CD	4 Hz - 100 kHz
Signal-to-noise ratio	115 dB
<b>Dynamic range</b>	
DVD	100 dB
CD	98 dB
<b>Total harmonic distortion</b>	
1 kHz CD	0.004%
<b>General</b>	
<b>Power supply</b>	AC 230 V, 50 Hz
<b>Power Consumption</b>	15 W (Standby: 0.4 W)
<b>Dimensions (W x H x D)</b>	435 x 75 x 310 mm
<b>Weight</b>	2.6 kg
<b>Remote Control Unit</b>	RC-1017



Black version is also available



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 • DTS and DTS Digital Surround are registered trademarks of DTS Technology.  
 • "DCDI™" is a trademark of Faroudja, a division of Genesis Microchip Inc.  
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 • "WMA"(Windows Media Audio) is a audio codec developed by Microsoft® in the United States of America.  
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