

DVD Audio-Video / Super Audio CD Player

DENON

DVD-A11

## DVD Audio-Video and Super Audio CD Player with New FAROUDJA Progressive Circuit

This universal player is equipped with the newly-developed Faroudja progressive-scan circuit and supports Super Audio CD. Each block incorporates the latest devices and features a discrete circuit design and layout to effectively minimize mutual interference and realize optimum sound and picture quality. The DVD-A11 also provides the latest interfaces,



### ■ New FAROUDJA Progressive Circuit (NTSC / PAL Output)

In addition to the Motion Adaptive Deinterlacer that processes video signals in pixel units, high-definition progressive-scan video is made possible by a Film mode processor that supports 3:2 and 2:2 pulldown material. DCDi technology, famous for its ability to process diagonal lines and edges, produces smooth, natural images free of jaggedness. The DVD-A11 is also equipped with 5 progressive-scan modes that enable the user to select the ideal progressive conversion for any of a wide variety of program sources.

### ■ Dual 12-bit, 216 MHz Video Converter

The DVD-A11 uses a total of six 12-bit, 216-MHz video D/A converters to tap the maximum potential of the new FAROUDJA circuit's performance. The DVD-A11 uses independent D/A converters for Progressive and Interlaced picture reproduction. These converters provide a very high sampling frequency of 216-MHz, with 8x oversampling used for Progressive and 16x oversampling for Interlaced operation, resulting in the highest detailed D/A conversion.

### ■ Discrete Video Circuit

Since a filter with ample cutoff characteristics can also be used for the analog low-pass filter, the DVD-A11 reproduces the delicate nuances of video signals, allowing viewers to enjoy the original picture at the highest level of realism.

### ■ Independent Power Supply

Independent power supplies have been provided for the audio signal processing block, the video signal block and other areas to eliminate mutual distortion with other blocks. Clean supplies of power to the various circuits contribute to high picture and sound quality.

### ■ Noise Shaped Video (NSV)

### ■ Super Sub Alias Filter

### ■ Noise Reduction Circuit

Block noise and mosquito noise, characteristic faults of MPEG-compressed video signals, are effectively eliminated to produce a more natural video image. In addition, 3D noise reduction removes minute noise mixed in the video image to beautifully reproduce only the required video information.

### ■ Pure Direct Mode

The DVD-A11 includes Pure Direct mode that further improve 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.

### ■ AL24 Processing for All Channels

Denon has further developed its proprietary AL24 Processing, an analog waveform reproduction technology, to support the 192-kHz sampling frequency of DVD-Audio. AL24 Processing Plus, thoroughly suppresses quantization noise associated with D/A conversion of LPCM signals to reproduce the low-level signals with optimum clarity that will bring out all the delicate nuances of the music.

### ■ DENON Link

When the DVD-A11 is connected via a shielded twisted pair (STP), RJ-45 fitted cable to a Denon Link compliant A/V amplifier, the balanced signal transfer offers lower voltage than coaxial or unbalanced cables. Since DenonLink is far less susceptible to radiated noise, it ensures the highest level of signal transfer. The Denon Link interface has capability to transfer high-grade LPCM 24-bit / 192-kHz / 2-channel (\*1) digital output.

### ■ Multi Layer Construction

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-A11 to suppress these unwanted vibrations.

The bottom of the DVD-A11's chassis features a sturdy 3-layer construction designed to be resistant to vibration. Strong reinforcing frames are also used at the front and back of the chassis itself. The addition of a 2-layer top cover and large insulators serve to suppress external vibration. And the base of the transformer is made of diecast aluminum that absorbs external vibration as well as vibration from the transformer itself to secure stable operation.

### ■ Digital Bass Management

When playing multi-channel Dolby Digital, LPCM, DVD-Audio/MLP or DSD (Super Audio CD) sources, it is possible to preset speaker configurations and delay times. The crossover point can be fixed at 40, 60, 80, 100 or 120 Hz with 12 dB high and 24 dB low pass filter slopes.

### ■ Loading Mechanism for Suppression of Vibrations

The 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.

### ■ IEEE 1394

### ■ Digital Visual Interface (DVI) (\*2)

### ■ Dual Component Outputs

### ■ BNC Connector

### ■ RS232C for System Control

### ■ DVD-R/RW Playback (\*3)

### ■ DVD+R/RW Playback (\*3)

### ■ CD-R/RW (MP3/WMA/JPEG) Playback (\*3)

### ■ Picture CD (Kodak)

### ■ Fuji Color CD

### ■ HDCD Decoder

### ■ Self-illuminated GLO-KEY Remote Controller with Easy Recognition Layout

The DVD-A11 comes equipped with a self-illuminating remote controller for easy operation in a dark room.

(\*1) If a source is copyright protected, the DVD player may convert the digital output.

(\*2) Due to current standards of the DVD Copy Control Association made up of DVD-related companies, output of DVD video images to DVI has not yet been approved. The DVI port on this product at the time of release thus does not function. However, once a standard has been established, an upgrade will be planned to enable use of the DVI port.

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.

(\*3) Discs that have been poorly finalized following recording may be only partially playable or not playable at all.

### Specifications

Signal system ..... NTSC/PAL  
Disc played..... DVD Audio, DVD Video, Super Audio CD, DVD-R/RW (DVD Video), Video CD, Music CD, CD-R/RW (AUDIO / WMA / MP3 / JPEG), Picture CD (Kodak), Fuji Color CD (Fuji color)

### ■ Video Section

Video outputs ..... 2 sets composite video output:  
1 Vp-p (with 75 ohms load)  
2 sets S-Video output:  
Y; 1 Vp-p (with 75 ohms load),  
C; 0.3 Vp-p (PAL) (with 75 ohms load)

1 Set RGB video output:  
R: 0.7 Vp-p (with 75 ohms load),  
G: 0.7 Vp-p (with 75 ohms load),  
B: 0.7 Vp-p (with 75 ohms load)

2 sets Component Video Output:  
Y, Cb/Pb, Cr/Pr: (RCA & BNC)  
Y; 1.0 Vp-p (with 75 ohms load),  
Cb/Pb; 0.7 Vp-p (with 75 ohms load),  
Cr/Pr; 0.7 Vp-p (with 75 ohms load)

### ■ Audio Section

Audio outputs ..... 2 Sets Analog Front Channel (FL/FR) Output,  
1 Set Analog Multi Channel (SL/SR/C/SW) Output,  
1 Set Optical Digital Output,  
1 Set Coaxial Digital Output,  
1 Set DENON Digital Link  
2 Sets IEEE 1394 Connector

Signal-to-noise ratio ..... 120 dB  
Dynamic range ..... 110 dB  
Total harmonic distortion ..... 0.0008 %

### ■ General

Power supply ..... AC 230 V, 50 Hz  
Power consumption ..... 49 W  
Dimensions..... 434 (W) x 139 (H) x 434 (D) mm,  
Weight ..... 12.8 kg



\*Black version is available.



\*Design and specifications are subject to change without notice.

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\*Kodak is a trademark of Eastman Kodak Company.

\*"Fuji Color CD" is a trademark of Fuji Photo Film Co., Ltd.

\*WMA(Windows Media Audio) is a new audio codec developed by Microsoft® in the United States of America.