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You can read the recommendations in the user guide, the technical guide or the installation guide for DENON DVD-3800BD. You'll find the answers to all your questions on the DENON DVD-3800BD in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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DENON
DVD-3800BD
Blu-ray Disc Player

New Blu-ray Disc Player with Denon's High Picture and Sound Quality Circuitry.

Features

Advanced Features

- Supports new-generation HD audio output
- 1080/24p output, to bring out the full quality of film
- HDMI output for HD video and audio signal transmission (Up to 1.2a with Deep Color, High Bit-Rate Audio Output)

Video Quality

- Denon's High Picture Quality Circuitry, to enhance enjoyment of existing DVDs
- Digital Noise Reduction, to optimize affects for both SD and HD content
- Denon Pixel Image Correction (P.I.C.), for more natural correction of curved lines
- High-speed, high-precision 12-bit/297-MHz Video DAC
- Detailed picture quality adjustability

Audio Quality

- Dynamic Discrete Surround Circuit/HD
- Dynamic Decoding for ultimate performance in each circuit block
- Dolby TrueHD and DTS HD Master Audio decoders

Advanced Features

- Supports new-generation HD audio output
- The DVD-3800BD supports downstream output for Blu-ray disc playback audio formats Dolby TrueHD and Dolby Digital Plus, as well as for DTS-HD Audio Master and DTS-HD High Resolution Audio. The DVD-3800BD is also capable of channel analog multi-subject, the maximum number of audio channels possible with Blu-ray discs. The resulting sound quality of Denon Blu-ray players can be fully enjoyed even with AV receivers that do not have an HD audio format decoder.
- 1080/24p output, to bring out the full quality of film

Video Quality

- Denon's High Picture Quality Circuitry, to enhance enjoyment of existing DVDs
- The DVD-3800BD sports various circuits for high picture quality from the high-end DDC-38000 DVD player that has been extensively processed. That circuitry enables an LP Interlaced/Progressive converter, also able for audio circuitry, with a BIC/TA codec that converts the SD video images of DVD to high-resolution 1080p images. High-resolution performance is made possible by 10-bit processing, and motion detection is automatically improved as well. Regularity at the pixel level is only for the 1/2 portion of film images but also for color patterns is accurately detected at high speed for high-precision LP conversion. Even when exact patterns such as text, grids and film mode material, each frame is accurately detected and processed at high speed, enabling high-quality Progressive playback of a variety of DVD discs.
- The REG TA also functions as a high-performance codec that enables 1080p HDMI output possible. 10-bit processing enables high-resolution scaling, and the most appropriate conversion for the output resolution is performed even when video signals included on a DVD using video reference signals are output in HD format. As a component dedicated to playback, the role of the DVD-3800BD is to ensure that AV enthusiasts can enjoy a rich variety of DVDs in superior picture quality.
- Digital Noise Reduction, to optimize affects for both SD and HD content
- The DNR technology optimizes the effects of high-resolution Blu-ray discs as well as existing DVD discs.
- Denon Pixel Image Correction (P.I.C.), for more natural correction of curved lines
- The DDC-38000 is equipped with Denon's original P.I.C. correction technology to perform high-resolution video image correction. 10-bit processing is used to detect and correct curved lines with greater precision. The new enhancement processing algorithm combats the effects of curved lines in addition to the target lines, stretching and straightening video data of a line of 2 pixels. Pixels in horizontal, vertical, and diagonal directions are detected and processed in these registers and color registers are also processed by the same algorithm which then suppresses high noise that easily occurs during enhancement and performs frame processing to effectively produce a smooth, natural picture.



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Manual abstract:

@@ Even when a source contains both Video mode and Film mode material, each mode is accurately detected and processed at high speed, enabling high-quality Progressive playback of a variety of DVD discs. The REALTA also functions as a high-performance scaler that makes 1080p HDMI output possible.

10-bit processing enables high-precision scaling, and the most appropriate conversion for the output resolution is performed even when video signals recorded on a DVD using color difference signals are output in RGB format. As a component dedicated to playback, the sole job of the DVD-3800BD is to ensure that A/V enthusiasts can enjoy a rich variety of DVDs in superior picture quality. Video Quality · Denon's High Picture Quality Circuitry, to enhance enjoyment of existing DVDs · Digital Noise Reduction, to optimise effects for both SD and HD content · Denon Pixel Image Correction (D.P.I.C.), for more natural correction of curved lines · High-speed, high-precision 12-bit/297-MHz Video DAC · Detailed picture quality adjustability Audio Quality · Dynamic

Discrete Surround Circuit-HD - Discrete Devices for ultimate performance in each circuit block - Dolby TrueHD and DTS-HD Master Audio decoders · Digital Noise Reduction, to optimise effects for both SD and HD content This DNR technology optimises the effects of high-definition Blu-ray video as well as standard DVD discs. Advanced Features · Supports new-generation HD audio output The DVD-3800BD supports bitstream output for Blu-ray disc lossless audio formats Dolby TrueHD and Dolby Digital Plus, as well as for DTS-HD Audio Master and DTS-HD High Resolution Audio.

@@@@@ 10-bit processing is used to detect and correct curved lines with greater precision. The new enhancement processing algorithm considers the effects of peripheral pixels in addition to the target pixels, sampling and analysing video data of a total of 9 pixels.

@@@@@@@ In the case of the DVD-3800BD, the critically-acclaimed "Advanced AL24 Processing", from Denon's "DVD-AIXVA", is used in addition to AL24 Processing Plus specifically for 2-channel stereo output. This technology uses a unique Denon-developed algorithm to interpolate up-sampling data along the time axis without losing any original data to produce a more natural sound. User Friendly · Simultaneous video output through all ports including HDMI and Component · Plays a wealth of media formats BD-ROM (BD Video), DVD-Video, DVD+R/RW, DVD-R, DVD-RW (VR mode supported), CD, CD-R/RW, and PC *Black and Silver version is also available.

· Pure Direct mode, for greater audio signal purity Ports Video HDMI output (incl. @@@@ "Blu-ray Disc" and Blu-ray Disc logo are trademarks.

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