**Main Features**

**[Video Section]**

- **True 10-bit processing**

  - **Latest UP converter from Silicon Optix, Inc.**
  - The DVD-A1XV uses the latest 10-bit UP converter developed through a joint development effort that merged imaging processing algorithms of Silicon Optix, Inc., and DENON video technology on the foundation of an image processing device from Teranex, a manufacturer of video processor for broadcast use in the United States. This 10-bit processing offers high conversion performance and dramatically improves motion detection capability. Regularity in pixel-level patterns are rapidly and accurately detected not only in the 3:2 patterns of film sources but in other patterns as well during I/P (Interlace/Progressive) conversion. Even when sources contain both Video mode and Film mode material, each mode is detected and processed accurately at high speed. Flicker caused by detection delays is avoided, and Progressive playback with high picture quality is possible from a variety of discs. In addition, Multi-Directional Diagonal Filter (MDDF) technology, used for the first time in the DVD-A1XV, accurately detects and corrects the directionality of lines on a per-pixel level to avoid “jaggies” that easily appear when video sources are I/P converted, ensuring smooth picture playback.

- **Newly-developed DENON Pixel Image (DPI) Correction**

  - A total of 12 picture quality adjustments are possible, including contrast, sharpness, white level, chroma level, noise reduction settings, and gamma.

- **High-performance DVD video scaler**

  - The DVD-A1XV includes the latest high-performance video scaler, completed through joint development between Anchor Bay Technologies, Inc. (ABT), owner of the DVDO brand of advanced video technologies, and DENON. This high-performance 10-bit scaler works with HDMI and DVI digital video output signals. This scaler also executes optimum conversion to output the HDMI and DVI digital video output from the independent HDMI and DVI transmitters.

- **Newly-developed Dual Discrete Video Circuit (DDVC)**

  - The DVD-A1XV’s video circuitry employs the Dual Discrete Video Circuit (DDVC), a proprietary DENON technology designed to enhance the quality of video signals. The use of dedicated circuits - one independent block for composite and S-video signals, another block for component signals, and a dual DAC configuration with built-in video encoder – has made it possible to reproduce detailed video images with greater precision. In order to bring out the maximum quality from both video and audio signals, the DVD-A1XV has a discrete configuration in which the video, audio, and digital blocks that comprise this universal player are all completely isolated from each other in terms of their circuit configuration, boards, and power supplies. DENON engineers have used the expertise gained from their development of earlier universal players to design a configuration that thoroughly suppresses mutual interference among the circuits and prevents noise from affecting the video and audio signals.

- **High-speed, high-precision 14-bit 216-MHz video DAC**

  - Overampling of 8x for Progressive and 16x for Interlaced signals results in sharp, detailed pictures.
  - Composite, S-video, and component signals each have their own dedicated video DAC.
  - Noise Shaped Video (NSV) technology is used to improve the S/N of video signals and further boost their linearity.

- **Super Sub Alias Filter**

  - Supports fine picture quality adjustments.

- **Simultaneous output through high-grade HDMI and DVI digital video interfaces**

  - The DVD-A1XV supports the HDMI and DVI digital video interfaces, and simultaneous output through both interfaces is possible. The HDMI port can be used to transmit YCbCr format signals or RGB format signals. Since digital transmission of multi-channel audio is also possible when audio is output through the HDMI (*1), a single cable for this HDMI interface is sufficient for the digital transmission of both video and audio signals. The DVD-A1XV allows the transmission of digital video signals in RGB format. Both interfaces support HDCP copyright protection technology (*2) and can be connected to the digital inputs of high-definition monitors.

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* (*1) Version 1.1 compliant; HDMI audio input capacity is dependent on the decoder being used.
  * (*2) HDMI and DVI outputs are HDCP compliant. Video cannot be viewed if connected to a monitor that does not support HDCP; video can be viewed only if HDCP-compliant monitors.
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[Audio Section]

- Advanced AL24 Processing, original DENON technology for high-quality audio
- Pure Direct mode, for greater purity in the audio signal
- DENON Link, for high-grade audio transmission
- HDMI output, for multi-channel audio
- Bass management function tailored for home theater environments

[Construction]

- Construction designed to thoroughly suppress vibration and mutual interference among circuit blocks
- Four-box layout to isolate circuits and minimize mutual interference
- Thorough vibration-resistant construction
- DENON original high-accuracy drive mechanism

[Other features]

- Supports playback of a wide variety of discs
- Playback frequency ranges of SACDs are switchable (50 kHz / 100 kHz)
- Independent bass management for analog audio output and HDMI audio signals
- Remote controller with backlight keys

- Simultaneous output possible for all video signals
- Supports PAL and NTSC (PAL/NTSC Conversion)
- THX Ultra certified

[Input/Output Terminals For Every AV System]

- Video outputs
  - HDMI: 1 set
  - DVI-D: 1 set
  - Component: 2 sets (BNC, RCA)
  - Composite: 2 sets
- S-Video: 1 set
- SCART: 1 set (Composite/ S-Video/ RGB)

- Audio outputs
  - Optical digital: 1 set
  - Coaxial digital: 1 set
  - DENON Link: 1 set
  - IEEE 1394: 2 sets
  - Analog (LR): 1 set
  - 5.1-channel (FL/FR/C/SL/SR/SW): 1 set
  - SCART: 1 set

[Specifications]

- Video Section
  - Signal system............... NTSC/PAL selectable
  - Disc playback................ DVD Audio, DVD Video, DVD-R/RW (DVD Video Mode), DVD-RW, SACD
  - Composite video output: ...... 1 Vp-p (with 75 ohms load)
  - S-Video output: ............ Y: 1 Vp-p (with 75 ohms load), C: 0.286 Vp-p (NTSC)/ 0.3 Vp-p (PAL)
  - SCART output: ............. R: 0.7 Vp-p (with 75 ohms load)
  - Component video output (BNC, RCA): B: 0.7 Vp-p (with 75 ohms load)
  - Component Video Output (BNC, RCA): Y: 1.0 Vp-p (with 75 ohms load)
  - Component video output (BNC, RCA): Cr/Pb: 0.7 Vp-p (with 75 ohms load)

- Audio Section
  - Frequency Response
    - 0.1 Hz - 100 kHz: 2 Hz - 88 kHz (192 kHz sampling)
    - 0.1 Hz - 22 kHz: 2 Hz - 22 kHz (48 kHz sampling)
    - 0.1 Hz - 22 kHz: 2 Hz - 22 kHz (48 kHz sampling)
    - 0.1 Hz - 22 kHz: 2 Hz - 22 kHz (48 kHz sampling)

- General
  - Power supply................. AC 230 V, 50 Hz
  - Power consumption............ 80 W
  - Dimensions .................. 434 (W) x 170 (H) x 432 (D) mm
  - Weight........................ 19.0 kg

- Total harmonic distortion ............. 0.0008 %
- Dynamic range .................... 112 dB
- Signal-to-noise ratio ............ 125 dB

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Power consumed during direct current output

Power supplied by the AC adapter to the product is 2 Hz - 22 kHz (48 kHz sampling)

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