

Press information

EUROPEAN HOME THEATER HIGH-END 2008-2009: DENON AVC-A1 HD
DENON A/V surround amplifier flagship AVC-A1HD
 receives EISA Award 2008-2009



Berlin, IFA 2008 – DENON, one of the world’s premier manufacturers of high-quality home entertainment products, is pleased to announce that their reference class A/V surround amplifier AVC-A1HD has been awarded the 2008-2009 EISA Best Product Award in the Home Theater High-End category. The European Imaging and Sound Association is the unique association of 50 special interest magazines from 19 European countries forming the world’s most prestigious multimedia magazines association.

The DENON AVC-A1HD features technological highlights such as the video processor REALTA T2 and numerous HDMI ports with all the advantages of the latest specification 1.3a. All help to ensure that concerts and films can shine with breathtaking sharpness down to the smallest detail even on large projector screens. However, the engineers have also done their utmost to ensure superb sound: exclusive D.D.S.C. HD circuits, an audio decoder for HD sound formats such as Dolby True HD and DTS-HD Master Audio, and the best Audyssey room calibration system of all time, create an ideal basis for an absolutely high-fidelity acoustic experience – just like artists and high-end enthusiasts yearn for. To make sure this elation is maintained for years to come, superb workmanship, innovative multimedia/network ports and convenient upgrade options guarantee maximum future-proof capability.

Read the EISA jury’s verdict:

“Arguably the most powerful and complete HD Home Theater receiver available, the DENON AVC-A1HD is the pinnacle of DENON’s continuing effort to bring the best in multichannel audio and high definition video to the discerning enthusiast. Three SHARC DSP chips from Analog Devices are combined with proprietary 'Advanced-AL24' processing, a sophisticated power supply and selected audiophile components to deliver a blend of raw power and precision. Similarly, a top Realta processor from Silicon Optix runs powerful algorithms from Teranex to assure near-perfect adaptive de-interlacing and scaling from any kind of video source. As expected, the connectivity is from another world, catering for every high definition audio and video format and even including Wi-Fi compatibility. The AVC-A1HD is simply the home theater perfectionist's dream.”

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Images:

http://www.denon.de/ftp/Presse/2008_08_A1HD/AVC-A1HD_Front.jpg

http://www.denon.de/ftp/Presse/2008_08_A1HD/AVC-A1HD_inside.jpg

http://www.denon.de/ftp/Presse/2008_08_A1HD/AVC-A1HD_PowerAmp.jpg

http://www.denon.de/ftp/Presse/2008_08_A1HD/AVC-A1HD_Audio.jpg

http://www.denon.de/ftp/Presse/2008_08_A1HD/AVC-A1HD_Video.jpg

http://www.denon.de/ftp/Presse/2008_08_A1HD/AVC-A1HD_back.jpg

About DENON:

From its beginning in 1910 as a supplier of professional recording studio and broadcast equipment, DENON has become a world leader in the manufacture of the highest quality home theater, audio and software products. DENON is recognized internationally for innovative and groundbreaking products and has a long history of technical innovations, including the development and first commercialization of PCM digital audio.

About D&M Holdings Inc.:

D&M Holdings Inc. is a global operating company providing worldwide management and distribution platforms for premium consumer, automotive, commercial and professional audio and video businesses including DENON®, Marantz®, McIntosh® Laboratory, Boston Acoustics®, Snell Acoustics, Escient®, Calrec Audio, DENON DJ, Allen & Heath, D&M Professional and D&M Premium Sound Solutions. Our technologies improve the quality of any audio and visual experience. All product and brand names with a trademark symbol are trademarks or registered trademarks of D&M Holdings, Inc. or its subsidiaries. For more information visit www.dm-holdings.com.

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Product information DENON AVC-A1HD

Reference A/V integrated amplifier

Market launch: February 2008
 Styles: Premium Silver

Sound standards:

Dolby TrueHD, Dolby Digital Plus, Dolby Digital EX, Dolby Digital, Dolby Pro Logic IIx, Dolby Headphone
 DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS-ES, DTS 96/24, DTS Neo:6, DTS, HDCD

High Definition Highlights

- + Numerous HDMI 1.3a inputs/outputs (6/2) with CEC support and repeater function
- + 10-bit video processing due to Silicon Optix Realta T2 (video processor identical to the one on the top-class player DVD-3930)
- + Powerful HD audio decoder, which decodes not only all the modern multi-channel sound formats but also the new standards of BD-/HD-DVD such as Dolby Digital Plus, DTS-HD High Resolution and lossless HD standards such as Dolby TrueHD and DTS-HD Master Audio (HDMI 1.3a)
- + Optimum processing of high-resolution video signals with enhanced colour resolution (Deep Colour with 30 and 36 bit) and extended colour space xv.YCC (HDMI 1.3a)
- + Auto LipSync (HDMI 1.3a) for automatic synchronisation of picture and sound

High End Structure/Processing for High Definition Picture and Sound Quality

- + Upgradeable interior structure for best possible future-proof capability
- + Ultra-stable, solid metal cabinet with aluminium sides
- + Vibration-inhibiting design – additional housings and metal plates for main transformers, direct fixation of critical components such as the black anodised heat sink and transformers to the chassis baseplate, plus five cast-iron feet
- + Interior structure strictly subdivided into sections with separate boards for minimum interference and circuit design optimised for extremely short signal paths
- + Systematic separate-channel audio configuration
- + Elaborate power supply unit comprising 6 transformers and 15 separate power supplies to avoid undesirable signal harmonics
- + High-performance audio power supply with an amply sized, low-loss toroidal transformer, four high-current-compatible bridge rectifier diodes and filter capacitors manufactured according to DENON specifications (2 x 33,000 µF)
- + Large speaker terminals made of gold-plated solid brass
- + Intelligent output stage management (surround back amplifier stages can be assigned to two extra pairs of speakers) with 11 speaker terminals allows, for example, a 7.1-channel setup and operation of separate stereo speakers in bi-amping mode

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D.D.S.C. HD for State-of-the-Art Audio Quality

- + Freely configurable, powerful 7-channel output stage with identical output on all channels (200 W, 6 Ω)
- + THX Ultra 2 certificate with all correction circuits, e.g. for optimum processing of 5.1-channel soundtracks for authentic 7.1-channel reproduction
- + Three ultra-fast 32-bit floating-point SHARC DSPs
- + Advanced AL24 Processing Multichannel, exclusive to DENON (192 kHz upsampling and bit extension to 24 bit) for optimum sound quality on all channels
- + Enhanced calibration system Audyssey MultEQ-XT with ALFC (Advanced Low Frequency Correction) and a top-quality genuine Audyssey tower-type calibration microphone with metal base
- + Audyssey Dynamic EQ for volume-dependent frequency response adjustment in real time
- + 24-bit/192 kHz BurrBrown D/A converters (6 x PCM1796, main zone only!), which are operated in an elaborate differential configuration
- + 24-bit/192 kHz BurrBrown A/D converters (1 x PCM1804, operated in a differential configuration) for analogue 2-channel sources
- + Pure Direct for pure stereo music enjoyment in the very best sound quality
- + Compressed Audio Restorer for first-class sound from data-reduced music material (MP3, WMA, ...)

High Definition Video Processing

- + Top-class video processor REALTA T2 from Silicon Optix as de-interlacer and scaler including highly effective HQV noise reduction for SD and HD video signals (HDMI output)
- + Full HD video management with full 1080p support (output 50 Hz, 60Hz and 24 Hz)
- + 6 HDMI inputs (1.3a)
- + 2 HDMI (1.3a) outputs for convenient switching between a projector and a plasma/LCD screen with the option of simultaneous output
- + Complete, bidirectional video conversion with HDMI output (Video ↔ S-Video ↔ Komponente → HDMI)
- + Top-quality 12-bit/216 MHz video A/D and D/A converters
- + Configurable progressive mode for an optimum picture despite problematical input signals

Operating Convenience

- + High-resolution, multilingual user interface (GUI)
- + Teachable, pre-programmed EL-Touch-Panel remote control with buttons which are lit in the dark
- + More clearly arranged grouping and labelling of sockets on the back to make wiring up much easier
- + Second remote control with indispensable functions for everyday use or convenient multi-zone control (included)
- + Bidirectional remote control system (RC-7000CI, RC-7001RCI) for perfect control of all equipment in the house, available as optional
- + Convenient software updates via Internet connection (DENON server)

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Network and New Media

- + Direct integration into wireless LAN networks (WLAN, Wi-Fi) and LAN networks (Ethernet interface)
- + Internet radio (MP3, WMA) with over 7,000 radio stations worldwide
- + Audio streaming from DLNA-compatible music servers (MP3, WMA, WMA Lossless Transcode, AAC, FLAC and WAV)
- + JPEG photo streaming from compatible DLNA media servers incl. Album Art display
- + DLNA-certified
- + 2 USB ports (front/back) for music reproduction (MP3, WMA, AAC, FLAC and WAV)
- + iPod-ready – new Dock Control interface to connect up a DENON docking station (ideally ASD-1R)
- + Easy operation of NET/USB sources due to GUI integration of network/multimedia devices – graphic user interface also supports Album Art
- + Web Control and PC Setup (for setting up and operating the A/V amplifier from a computer or PDA)

Extended Multi-zone Functions

- + Supports up to 4 different listening zones
- + Intelligent output stage management (4 amplifier stages which can, for example, be assigned to zones 2 and 3)
- + Additional A/D converters and digital audio output for zone 2 for configuring a second home cinema with the signal sources (analogue, optical and coaxial) of the existing system
- + D/A converters for zones 2 and 3 (2-channel) allow the use of digital music sources (CD, Internet radio, audio streaming, USB devices) in zones 2 and 3
- + Video outputs for zone 2 (Composite, S-Video, Component) and zone 3 (Composite)
- + On-screen menu for zone 2 (OSD)

Connection Flexibility

A/V Digital:

6 x HDMI (1.3a) input, 2 x HDMI (1.3a) output

Audio Analogue:

2-channel inputs: 1 x XLR (CD), 10 x high-level cinch (incl. front), 1 x Phono MM (cinch)

1 x 7.1-channel input

3 x 2-channel outputs

1 x 9.3-channel pre-out (cinch)

1 x headphone

Audio Digital:

Inputs: 6 x coaxial (4 x cinch, 2 x BNC), 5 x optical (incl. front), 1 x DENON Link 3rd,

Outputs: 3 x optical (of which 1 can be for zone 4)

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Video (Analogue):

Inputs: 6 x Component (5 x cinch, 1 x BNC); 8 x S-Video & Composite (incl. front)

Outputs (main zone, incl. monitor out): 2 x Component (1 x cinch, 1 x BNC); 4 x S-Video & Composite

Multi-zone sockets:

Video outputs:

1 x Component (zone 2), 1 x S-Video (zone 2) , 2 x Composite (zones 2 and 3)

Audio outputs:

Zone 2: 1 x pre-out (analogue, cinch) with volume control

Zone 3: 1 x pre-out (analogue, cinch) with volume control, 1 x digital (optical)

Other Interfaces:

2 x USB (front + back), 1 x Ethernet, 1 x WLAN,

1 x iPod® Dock Control

2 x RS232C, 1 x control input/output (Remote In/Out), 4 x trigger output

Specifications

Output power (6 Ω , 1 kHz):

7 x 200 W

Dimensions (W x H x D; without WLAN antenna):

434 x 217.1 x 300 mm

Weight:

31 kg