

AVC-A1HDA

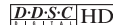
AV Surround Amplifier

DENON

Reference, Next Generation HD A/V Surround Amplifier featuring Advanced Connectivity, Wi-Fi Network Audio Streaming and an interface that enhances your level of entertainment enjoyment.



ADVANCED **AL24** PROCESSING
MULTI CHANNEL



WHAT HI-FI?
SOUND AND VISION



Denon AVC-A1HD September 09

Features

State-of-the-art Denon Solutions for Maximising Content Quality

- THX Ultra2 certified 150W x 7ch power amplifier
- All new circuit layouts that shorten audio and video signal paths for best picture and sound
- Discrete Devices for ultimate performance in each circuit block (D.D.S.C.-HD)
- Dolby TrueHD and DTS-HD Master Audio decoders
- To preserve original sound quality for the room's acoustics at any volume level, Audyssey Dynamic EQ, MultEQ-XT and Dynamic Volume technology
- Realta sT2 HQV processing for i/p and scaling
- Deep Color (30/36-bit) and xvYCC broader color space support
- Discrete construction and circuitry for highest quality video processing
- HDMI to HDMI scaling up to 1080p
- HD/SD video noise reduction functionality

Connectivity & Future-ready Expandability

- Network Audio and Photo Streaming
- Compressed Audio Restorer to enhance digital music files

Ease-of-Use

- New user interface for easy operation, setup and digital media browsing (G.U.I.)
- GUI-assisted operation even during 1080p output from HDMI
- Dual HDMI outputs enabling simultaneous output to video projector and flat panel
- Three Analog and One Digital, Four Zone multi-source capability
- Zone 2 OSD with text, Album art is also available
- Web setup, save and load all settings via Ethernet



State-of-the-art Denon Solutions for Maximising Content Quality

Sophisticated Construction for the Ultimate A/V playback

- Fully separated Audio, Video, Power Amplifiers and Power Supplies allow for a cleaner and clearer signal path
- High current Toroidal Power Supply to drive discrete mono block amplifier channels
- 6 individual transformers to supply power to each discrete circuit
- Direct Mechanical Ground to minimise mechanical vibration from transformer and radiators

Dynamic Discrete Surround Circuit, D.D.S.C.-HD

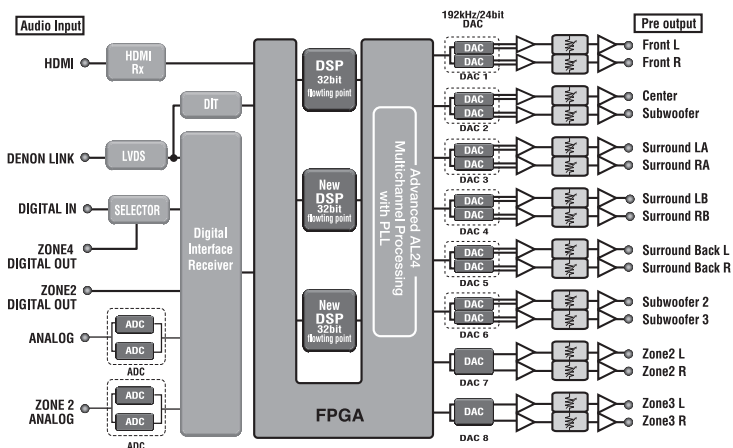
- 3 All New 32-bit floating point DSPs
- Master clock design for more accurate processing and less jitter noise
- Advanced AL24 processing provides more dynamic range
- Audio DACs in differential mode (2 per audio channel) on all output channels
- Audio ADCs in differential mode (2 per audio channel) on all analog input channels

Refined calibration technology to improve a acoustical condition of any room.

- Newly improved Audyssey MultEQ XT
- New tower type microphone for more accurate measuring
- Up to eight measurement points
- New filtering ALFC (Adaptive Low Frequency Correction) for higher resolution processing in the low frequency band

Full 10-bit processing video circuit

- Multi Cadence Detection for accurate i/p conversion
- 1080/24p pass through
- Analog video to HDMI scaling up to 1080p
- 12-bit/216-MHz video encoder and decoder with NSV



AVC-A1HD AUDIO BLOCK DIAGRAM



Connectivity & Future-ready Expandability

Digital Media Connectivity

- Network Audio and Photo Streaming
- Playback and control music files from PC and DLNA Servers
- AAC, WMA, MP3, FLAC, WAV file support
- Connect to over 7,000 internet radio stations
- JPEG Photo slideshow
- Connect to your network via Ethernet or Wi-Fi (802.11 b/g compatible)
- Web system control via any PC on the network
- iPod audio, photo and video playback (optional ASD-11R/3N/3W)
- Mass storage support USB for audio and photo playback (MTP compatible)

Ease-of-Use

- Audyssey Dynamic Volume™ monitors the audio signal moment-by-moment and constantly maintains the user's desired listening level while optimizing the dynamic range to preserve the home cinema impact.
- Album art support (iPod/Network/USB)
- Title text (iPod/Network/USB)
- Multi language support (EN, DE, FR, IT, ES, NE, SV, JP)

Multi-Zone Capabilities

- Digital to analog conversion for multi-zone output
- Analog to digital conversion for multi-zone digital output (only Zone2)
- Zone 2 equipped with dedicated video decoder (+N.S.V.) and encoder
- Independent zone 2 component output
- Dual component outputs for main zone
- BNC connectors for component input/output
- IR Remote in/out ports
- +12V, 250mA trigger x 4 outputs
- RS-232C control x2
- Optional RC-7000CI/7001RCI 2-way control ready

Terminals

IN		
HDMI		6
Component		6 (1: BNC)
S-Video		8
Composite		8
Analog audio		11
EXT. In		7.1 ch
Digital OPT		5
Digital COAX		6 (2: BNC)
Denon Link 3rd		1
OUT		
HDMI monitor		2
Component	Main monitor	2 (1: BNC)
	Zone 2 monitor	1
S-Video	REC	3
	Monitor / Zone 2	1 / 1
Composite	REC	3
	Monitor / Zone 2	1 / 1
	Zone 3	1
Analog audio	REC	3
	Zone 2 / Zone 3	1 / 1
Analog preout		9.3 ch
Digital optical	REC	2
	Zone 2	1
	REC / Zone 4	1
Others		
Trigger +12 V, 250 mA		4
RS-232C		2
Tuner antenna AM/FM		1 / 1
Remote In/Out		1 / 1
Ethernet		1
Wi-Fi (WLAN Antenna)		1
USB		2
Dock control		1
Setup mic		1

Main Specifications

Power Amplifier Section

Rated output *THD figures are power amp stage values.

Front	150 W + 150 W (8 ohms, 20 Hz - 20 kHz) 170 W + 170 W (6 ohms, 1 kHz with 0.7% T.H.D.)
Centre	150 W (8 ohms, 20 Hz - 20 kHz) 170 W (6 ohms, 1 kHz with 0.7% T.H.D.)
Surround	150 W + 150 W (8 ohms, 20 Hz - 20 kHz) 170 W + 170 W (6 ohms, 1 kHz with 0.7% T.H.D.)
Surround back	150 W + 150 W (8 ohms, 20 Hz - 20 kHz) 170 W + 170 W (6 ohms, 1 kHz with 0.7% T.H.D.)

Pre-amplifier Section

Input sensitivity/impedance

PHONO(MM)	2.5 mV
Audio inputs	200 mV/47 kohms

Output level/Load impedance

Audio outputs	1.2 V
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General

Power supply	AC 230 V, 50 Hz
Power consumption	630 W (Standby: 0.3 W)
Dimensions W x H x D	434 x 217 x 500 mm
Weight	29 kg

EAN

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