

AVR-3300

Dolby Digital and DTS Certified AV Receiver



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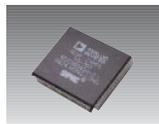
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Block Diagram



■ Dolby Digital

Dolby Digital and Dolby Pro Logic decoding functions are performed in the digital domain for excellent dynamic range and crystal clear reproduction.



32-bit DSP

■ DTS

Digital Theater Systems decoding provides thrilling movie and music multi-channel surround sound.

■ 96 kHz, 24-bit Audio D/A Converter

■ High-quality Surround Sound from Analog Sources, too

The Delta Sigma 20-bit A/D Converter is used in the AVR-3300 to reproduce high-quality surround sound from analog sources. High-quality Pro-Logic surround sound is possible from any of your favorite analog programs.

■ Surround A/B Speaker Switching

The AVR-3300's surround A/B speaker switching capability lets you take advantage of the different speaker settings required when you listen to the dynamic sound of movies as it moves within your listening space or the multi-channel sound tracks of music recorded in concert halls.



Movie Surround



Music Surround

■ Separate Current Supplies for Circuits

The AVR-3300 is equipped with a main transformer featuring independent 4-winding outputs, and a dedicated transformer for the microprocessor, to completely separate the power amplifier, audio, digital, and video circuits. This construction reduces noise interference among the circuits and ensures a clean, transparent sound.

■ Hefty Power Transformer for Stable Supply of Power

A huge 6.45-kilogram power transformer has been connected in the power section where it is combined with a rectifier diode and a large block capacitor to ensure a large, stable supply of electrical current. Accordingly, the AVR-3300 boasts high output power of 105 W for each of the 5 channels.

■ Stable Speaker Drive

In the AVR-3300, the circuitry through which current flows to drive the speakers has been incorporated onto a single board between the rectifier circuit of the power source and the speaker terminals. A new phase correction circuit has also been adopted, eliminating the need for an output coil. Since this configuration allows the power transistor to drive the speakers directly, there is no loss of power to any of the channels. The sound that you hear is thus extremely stable as well as powerful.

■ 8-Channel Input For Future Multi-Channel Formats

■ Multi-function Remote Controller

The dominant theme in the design of the AVR-3300's remote controller has been vastly improved ease of use. The buttons have been given different shapes so that they can be recognized by touch in a dark room, and visually, the buttons' functions are grouped by color so that the required buttons are easily found. The buttons also feature GLO-Key for further ease of operation in the dark.

- System Call Function to execute up to 10 successive pre-assigned commands at the single touch of a button
- System Remote Control
- Pre-Memory and Programming Function for non-DENON components

■ Frequency Synthesis Tuning

- 40-station AM/FM Random Preset Memory Tuning
- Auto Preset Memory

■ Other Features

- Radio Data System (RDS) with RADIOTEXT
- Component Video Switching (2 inputs, 1 output)
- Music Surround Modes Including 5-Channel Stereo
- Multi-Room Pre-Outs (Variable Level)
- Tone Control

■ Input/Output Terminals For Every A/V System

- Audio Inputs
 - 9 Analog Inputs..... PHONO, CD, TUNER, DVD, VDP, TV/DBS, VCR-1, VCR-2/V-AUX, MD/TAPE
 - 8 Analog EXT. Inputs..... FRONT L/R, CENTER, SURROUND L/R, EFFECT L/R, SUBWOOFER
 - 3 Digital (Optical) Inputs OPTICAL X 3
 - 1 Digital (Coaxial) Inputs COAXIAL X 1
- Audio Outputs
 - 8 Analog PRE OUT Terminals..... FRONT L/R, CENTER, SURROUND L/R, EFFECT L/R, SUBWOOFER
 - 3 Analog REC OUT Terminals..... VCR-1, VCR-2/V-AUX, MD/TAPE
 - 2 Analog Multi Source Terminals..... L/R (EFFECT L/R)
- Video Inputs
 - 2 Component Video Inputs DVD, TV/DBS
 - 5 Composite Inputs..... DVD, VDP, TV/DBS, VCR-1, VCR-2/V-AUX
 - 5 S-Video Inputs DVD, VDP, TV/DBS, VCR-1, VCR-2/V-AUX
- Video Outputs
 - 1 Component Video Output MONITOR
 - 3 Composite Outputs VCR-1, VCR-2/V-AUX, MONITOR
 - 3 S-Video Outputs VCR-1, VCR-2/V-AUX, MONITOR

Specifications

■ Power Amplifier Section

Rated output	*THD figures are power amp stage values.
Front	105 W + 105 W (8 ohms, 20 Hz - 20 kHz, 0.05 % THD)
Center	105 W (8 ohms, 20 Hz - 20 kHz, 0.05 % THD)
Surround	105 W + 105 W (8 ohms, 20 Hz - 20 kHz, 0.05 % THD)

■ Preamplifier Section

Input sensitivity/Impedance	
PHONO(MM)	2.5 mV/47 kohms
CD, DVD, VDP, TV/DBS, VCR-1, VCR-2/V-AUX, MD/TAPE, FRONT L/R, CENTER, SURROUND L/R, EFFECT L/R, SUBWOOFER	200 mV/47 kohms
Output level/Load Impedance	
FRONT L/R, CENTER, SURROUND L/R, EFFECT L/R, SUBWOOFER	1.2 V/10 kohms
VCR-1, VCR-2/V-AUX, MD/TAPE, MONITOR	150 mV/47 kohms
RIAA deviation	±1 dB (20 Hz - 20 kHz)
Signal-to noise ratio	102 dB (DIRECT, A-weighting)
Tone control	Treble: ±10 dB at 10 kHz Bass: ±10 dB at 100 Hz

■ FM Section

Tuning frequency range.....	87.50 - 108.00 MHz
Usable sensitivity	1.0 μV (11.2 dBf)

■ AM Section

Tuning frequency range.....	522 - 1611 kHz
Usable sensitivity	18 μV

■ General

Power supply	AC 230 V, 50 Hz
Power consumption	320 W
Dimensions.....	434 (W) x 171 (H) x 416 (D) mm
Weight	15.0 kg

*Design and specifications are subject to change without notice.

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*DTS is registered trademarks of DTS Technology.