

DENON AVR-X8500HA SPECIFICATIONS

• Power amplifier

Front:

150 W + 150 W (8 Ω /ohms, 20 Hz – 20 kHz with 0.05 % T.H.D.)

190 W + 190 W (6 Ω /ohms, 1 kHz with 0.7 % T.H.D.)

Center:

150 W (8 Ω /ohms, 20 Hz – 20 kHz with 0.05 % T.H.D.)

190 W (6 Ω /ohms, 1 kHz with 0.7 % T.H.D.)

Rated output:

Surround:

150 W + 150 W (8 Ω /ohms, 20 Hz – 20 kHz with 0.05 % T.H.D.)

190 W + 190 W (6 Ω /ohms, 1 kHz with 0.7 % T.H.D.)

Surround back / Height1 / Height2 / Height3 / Height4/Front wide:

150 W + 150 W (8 Ω /ohms, 20 Hz – 20 kHz with 0.05 % T.H.D.)

190 W + 190 W (6 Ω /ohms, 1 kHz with 0.7 % T.H.D.)

170 W x 2-channel (8 Ω /ohms)

280 W x 2-channel (4 Ω /ohms)

Dynamic power:

Output connectors:

4 – 16 Ω /ohms

• Analog

Input sensitivity:

200 mV

Frequency response:

10 Hz – 100 kHz — +1, -3 dB (Direct mode)

S/N:

102 dB (IHF-A weighted, Direct mode)

Distortion:

0.005 % (20 Hz – 20 kHz) (Direct mode)

Rated output:

1.2 V

• Digital

Rated output — 2 V (at 0 dB playback)

D/A output:

Total harmonic distortion — 0.008 % (1 kHz, at 0 dB)

S/N ratio — 102 dB

Dynamic range — 100 dB

Digital input:

Format — Digital audio interface

• Phono equalizer

Input sensitivity:

2.5 mV

RIAA deviation:

\pm 1 dB (20 Hz to 20 kHz)

S/N: 74 dB (IHF-A)
Distortion factor: 0.03 % (1 kHz, 3 V)

Video section

• Standard video connectors

Input/output level and impedance: 1 V_{p-p}, 75 Ω/ohms
Frequency response: 5 Hz – 10 MHz – 0, –3 dB

• Color component video connector

Y signal — 1 V_{p-p}, 75 Ω/ohms
Input/output level and impedance: PB / CB signal — 0.7 V_{p-p}, 75 Ω/ohms
PR / CR signal — 0.7 V_{p-p}, 75 Ω/ohms
Frequency response: 5 Hz – 60 MHz – 0, –3 dB

Tuner section

	[FM]	[AM]
	(Note: μV at 75 Ω/ohms, 0 dBf = 1 x 10 ⁻¹⁵ W)	
Reception frequency range:	87.5 MHz – 107.9 MHz	520 kHz – 1710 kHz
Effective sensitivity:	1.2 μV (12.8 dBf)	18 μV
50 dB sensitivity:	MONO — 2.8 μV (20.2 dBf)	
	MONO — 70 dB (IHF-A weighted, Direct mode)	
S/N ratio:	STEREO — 67 dB (IHF-A weighted, Direct mode)	
Distortion:	MONO — 0.7 % (1 kHz)	
	STEREO — 1.0 % (1 kHz)	

Wireless LAN section

Network type (wireless LAN standard): Conforming to IEEE 802.11 a/b/g/n
(Wi-Fi® compliant) *1

Security: WEP 64 bit, WEP 128 bit
WPA/WPA2-PSK (AES)
WPA/WPA2-PSK (TKIP)

Used frequency range: 2.4 GHz, 5 GHz

*1 The Wi-Fi® CERTIFIED Logo and the Wi-Fi CERTIFIED On-Product Logo are registered trademarks of the Wi-Fi Alliance.

Bluetooth section

Communications system:	Bluetooth Specification Version 4.2
Transmission power:	Bluetooth Specification Power Class 1
Maximum communication range:	Approx. 98.4 ft/30 m in line of sight *2
Used frequency range:	2.4 GHz
Modulation scheme:	FHSS (Frequency-Hopping Spread Spectrum)
Supported profiles:	A2DP (Advanced Audio Distribution Profile) 1.2 AVRCP (Audio Video Remote Control Profile) 1.5
Corresponding codec:	SBC
Transmission range (A2DP):	20 Hz – 20,000 Hz

*2 The actual communication range varies depending on the influence of such factors as obstructions between devices, electromagnetic waves from microwave ovens, static electricity, cordless phones, reception sensitivity, antenna performance, operating system, application software etc.

General

Operating temperature:	41 °F - 95 °F (5 °C - 35 °C)
Power supply:	AC 120 V, 60 Hz
Power consumption:	900 W
Power consumption in standby mode:	0.1 W *
Power consumption in CEC standby mode:	0.5 W

* When “Network Control” in the menu is set to “Off In Standby” and “HDMI Pass Through” is set to “Off”.

For purposes of improvement, specifications and design are subject to change without notice.

INTEGRATED NETWORK AV RECEIVER

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