

Amplifier Section

Power Output	
All Channels	115w (1kHz, 0.9%THD, 6ohms, 1ch driven) 65w (20-20kHz, 0.7%, 8ohms, 2ch driven)
Dynamic Power	160 W (3 ohms, Front) 125 W (4 Ohms, Front) 85 W (8 Ohms, Front)
THD+N (Total Harmonic Distortion + Noise)	0.7% (20 Hz-20 kHz, Half Power)
Damping Factor	60 (Front, 1 kHz, 8 Ohms)
Input Sensitivity and Impedance	200 mV/47 k-ohms (Line)
Rated RCA Output Level and Impedance	200 mV/2.2 k-ohms (Line Out)
Maximum RCA Output Level and Impedance	2.0 V/2.2 k-ohms (Line Out)
Phono Overload	-
Frequency Response	5 Hz-100 kHz/+1 dB, -3 dB (Direct Mode)
Tone Control	±10 dB, 20 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	100 dB (Line, IHF-A)
Speaker Impedance	6 ohms16 ohms

Video Section

Input Sensitivity/Output Level and Impedance	
Video	1.0 Vp-p/75 Ohms (Component Y) 0.7 Vp-p/75 Ohms (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ohms (Composite)
Component Video Frequency Response	5 Hz100 MHz/+0 dB,-3 dB

Tuner Section

Tuning Frequency Range	
FM	87.5 MHz107.9 MHz
AM	530 kHz1,710 kHz
FM/AM Preset Memory	40 stations

General

Power Supply	AC 120 V~, 60 Hz
Power Consumption	3.2 A
No-Sound Power Consumption	55 W
Standby Power Consumption	0.1W
Dimensions (W x H x D)	17 1/8" x 5 7/8" x 12 15/16" (435 x 150 x 329 mm)
Weight	16.8 lbs (7.6 kg)

Amplifier	
# Channels	5.2
Power Watts/Ch (6 Ohms 1kHz, 2 Channels Driven, FTC)	115, 0.9% THD
Power Watts/Ch (8 Ohms 20-20kHz, 2 Channels Driven, FTC)	65, 0.7% THD
WRAT (Wide Range Amplifier Technology)	✓
H.C.P.S (High Current Power Supply)	✓ (Massive High Power Transformer)
THX Certified	-
Continuous 6 Ohms Rated	✓
Certified 4 Ohms Performance	-
Discrete Output Stage Circuitry	✓
3-Stage Inverted Darlington Circuitry	-
PUSH-PULL Design	-
Independent Block Construction (Amp/Preprocessor)	-
Toroidal Transformer	-
Independent Power Supply	2
Bi-amp Capability For Front	-

Processing	
Phase-Matching Basse Boost	✓ (for Deep Bass and Clear Mid-Range)
Direct/Pure Mode	- / ✓
192K/24 Bit DACs	✓ (Burr-Brown)
32-Bit Digital Signal Processing Engine	✓
VLSC	-
192K/32 Bit DACs	-
DTS Decoder	DTS-HD
ONKYO GAME Surround Modes	✓ (Rock, Sports, Action, RPG)
Advanced Music Optimizer	✓ (Bluetooth Included)
Dolby Decoder	True HD, DD Plus
Dolby Atmos	-
Pure Direct Analog Path Mode	-
THX Processing Mode	-
isf Certified Calibration Control	-
AccuEQ Room Calibration	✓ (with Mic Included)
Dolby PLIIz	-

Connectivity	
Analog To HDMI Upconversion	-
PC Input (15 pin D-sub)	-
Internet Radio Capable	✓ (Pandora, Spotify, Sirius/XM, Slacker, Aupeol, TuneIn)
4K (up to 4096 x 2160) Upscaling	-
HDCP 2.2 Copy-Protection Compatibility	-
XLR Pre-outs	-
Front-Panel Optical	-
HDMI Support for DVD-Audio, SACD, Multichannel PCM	✓
InstaPrevue Input Source Prevue	✓
Zone 2 Line Out	✓ (Fixed)
Zone 3 Line Out	-
Airplay	✓ (via optional DS-A5)
Component Video I/O	1 / 1
Wireless Network	✓ (Wi-Fi-Certified)
USB Input	✓ (Front)
Bluetooth	✓ (Built-in)
4K Passthrough	✓
HDMI 2.0 4K/60 Hz- Capable HDMI Terminals	✓
MHL for Mobile Device Connection	-
Composite to Component Video Upconversion	-
Zone 2 Digital to Analog Audio Conversion	✓ (NET, USB)
HDMI I/O	6 / 1
HD Radio	-
HDMI Support for 3D, Audio Return Channel and CEC	✓
Whole House Mode	-
Streaming Audio From USB memory	✓
Digital Audio IN (OPT/COAX)	1 / 2
Powered Zone 2	-
Powered Zone 3	-
Supports Onkyo Remote App	✓ (iPod touch/iPhone and Android-Powered Devices)
Hi-Res Streaming Audio Formats Supported	✓ (Apple Lossless, DSD 2.8/5.6 MHz, Dolby TrueHD, FLAC 192/24, LPCM, Ogg Vorbis, WAV, WMA)
Composite I/O	4 / 1
1080p Upscaling	-
Zone 2 Video Out	-
18mm Pitch High Grade Pre-outs	-
Phono Input	-
HDMI Support for Deep Color, x.v.Color, LipSync	✓
Speaker A/+B	-
Streaming Audio From PC / Network	✓ (DLNA, Home Media)
Front Panel HDMI	-
iPod Ready	✓ (via optional DS-A5)
Front-Panel A/V	L / R / V
Analog Pre-Outs	Subwoofer (x2)
Audio I/O	7 / 0
Multi-Channel Input	-

Integration Access	
IR Input	-
IR Output	-
RS-232	-
ONKYO-RI System Control	✓
12V Trigger	-
RIHD (Remote Interactive Over HDMI)	✓
Ethernet	✓

Miscellaneous	
Smart Grid-Ready	✓
Color-Coded Speaker Terminals	✓
Auto Speaker Calibration W/Mic.	✓ (AccuEQ)
Pre-Pro/Learning Remote	- / ✓
Bi-directional Remote Setup via GUI	-
On Screen Remote Programming	-
Detachable AC Cord	-
Hybrid Standby Function	✓ (to Reduce Power Consumption)
Activity Based Remote	-
OSD Out	✓
Solid Aluminum Front	-