

3D-compatible Home Theatre Package featuring 1080p-compatible HDMI repeater (4 in/1 out), YPAO, SCENE and upgraded CINEMA DSP. Affordable yet sophisticated, it gives you the assurance of superb HD audio and video quality.



Advanced Features

- HDMI (V.1.4 with 3D)
- HD Audio compatibility (linear PCM via HDMI transmission)
- SCENE buttons with direct power on – quick and simple to use
- YPAO sound optimisation for automatic speaker setup
- Front panel mini jack input for connecting portable audio player
- Audio input assign capability for HDMI and component video input
- 40-station preset tuning with Radio Data System
- Auto power down function with variable time setting
- Includes mini stands for front and surround speakers

High Sound Quality

- 5.1-channel total 700W powerful sound (120W x 5 + 100W subwoofer)
- 192 kHz/24-bit Burr-Brown DACs for all channels
- Natural tonal sound speakers: Compact design for flexible placement
- 16cm 100W Advanced YST subwoofer with Linear Damping

High Picture Quality

- 1080p-compatible HDMI repeater (4 in/1 out)
- Supports Deep Colour, x.v.Colour, 24Hz Refresh Rate and Auto Lip Sync

Surround Realism

- Upgraded CINEMA DSP with 17 DSP programmes
- Compressed Music Enhancer
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP level

YHT-294 Main Specifications

Receiver (HTR-3063)	
Maximum Output Power per Channel	120 W x 5 (4 ohms, 1 kHz, 0.7% THD For Europe)
Minimum RMS Output Power per Channel	100 W x 5 (6 ohms, 1 kHz, 0.9% THD)
Dynamic Power per Channel (Front L/R)	105/130/150 W (6/4/2 ohms)
Frequency Response (AV5, Front)	10 Hz–100 kHz +0, -3 dB
Total Harmonic Distortion (AV5, Front SP Out)	0.06% (1 kHz, 50 W/8 ohms)
Signal-to-Noise Ratio (AV5, Input Shorted)	98 dB (250 mV)
Video Monitor Out Frequency Response	5 Hz–60 MHz ±3 dB (component video signal)
Standby Power Consumption	0.5 W
Dimensions (W x H x D); Weight	435 x 151 x 315 mm; 7.5 kg
Speaker System	
Frequency Response: 30 Hz–40 kHz	
Front and Surround Speakers (NS-B285)	
Acoustic suspension	
Drivers	6.5cm cone full-range driver
Input Power (Nominal/Max)	30 W / 80 W
Sensitivity	81 dB/2.83 V/1 m
Dimensions (W x H x D); Weight	90 x 120 x 123 mm; 0.51 kg/unit (with stand)
Centre Speaker (NS-C385)	
2-way acoustic suspension	
Drivers	Dual 6.5cm cone woofers and 2.5cm balanced-dome tweeter
Input Power (Nominal/Max)	50 W / 100 W
Sensitivity	84 dB/2.83 V/1 m
Dimensions (W x H x D); Weight	220 x 90 x 109 mm; 1 kg
Subwoofer (NS-SW280)	
Type	Advanced YST with Linear Port
Output Power	100 W
Driver	16cm cone
Dimensions (W x H x D); Weight	262 x 264 x 316 mm; 6.9 kg

ADVANCED FEATURES

4 In/1 Out HDMI V.1.4 with 3D

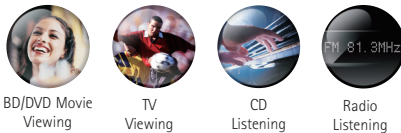
The YHT-294 provides four HDMI V.1.4 inputs and one output. HDMI V.1.4 is the latest version of the HDMI interface, offering a number of features for enhanced home theatre, including support for 3D video in resolutions up to 1080p. 3D monitors and games are already being introduced, and will become more commonplace in the coming years. With the YHT-294, you are ready for the 3D experience in your own home!

HD Audio Compatibility

The YHT-294 can accept HD Audio signals (linear PCM via HDMI transmission) from Blu-ray Disc players for enjoying maximum sound quality.

SCENE for Easy One-Touch Operation

Four SCENE buttons make operating the receiver easier than ever. They are initially set to default settings for BD/DVD Movie Viewing, TV Viewing, CD Listening and Radio Listening. Pressing a SCENE button automatically launches a number of operations that initiate play of the source controlled by that button.



YPAO for Automatic Speaker Setup

The YHT-294 uses Yamaha's YPAO system that quickly and automatically analyses the acoustics of the room and adjusts various speaker parameters to provide the optimum sound at the listening position. It's like having a professional audio engineer set up and tweak your system.



Front Panel Video Aux with Mini Jack Input

The front panel audio/video terminals let you connect a camcorder or game console, and a mini jack input lets you connect a portable music player.

Audio Input Assign Capability for HDMI and Component Video Inputs

YHT-294 lets you assign audio inputs to video inputs. For example, you can assign an analogue audio input to a component video or HDMI input for a game or video device. You can also change the names of the input terminals.

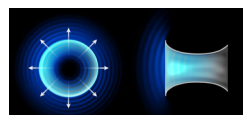
HIGH SOUND QUALITY

Advanced YST Subwoofer with Linear Port for Powerful Bass

This sophisticated subwoofer uses an Advanced Negative Impedance Converter that makes it possible to drive the cone with much tighter control than normal.



This results in more stable and accurate low range response, as well as higher sound pressure levels, for extremely natural and energetic bass sound. The Linear Port smoothes bass response and minimises extraneous noise, while helping to boost the sound output from this compact subwoofer.



Advanced YST produces rich bass sound, and the addition of a Linear Port reduces extraneous noise for even higher quality.

HIGH PICTURE QUALITY

1080p-Compatible HDMI Repeater (4 In/1 Out)

The YHT-294 offers HDMI repeater (reception and transmission of HDMI signals) up to 1080p resolution, maintaining the highest possible quality from the digital input to your HD monitor. With four HDMI inputs, you can connect four high-

definition AV sources. You also get the benefits of Deep Colour (30/36 bit), the x.v.Colour Standard, high refresh rate, and Lip Sync (automatic syncing of audio and video).

SURROUND REALISM

Quad-Field CINEMA DSP with 17 Surround Programmes

Yamaha's ultra-sophisticated Quad-Field and Tri-Field CINEMA DSP technology creates thrillingly realistic soundscapes in your room.



Presence (Front Line) Sound Field



Quad-Field CINEMA DSP

Compressed Music Enhancer

When music is encoded in a digital compressed format such as MP3, frequency response suffers in the high and low ranges. Yamaha employs sophisticated digital signal processing with exclusive algorithms, enabling faithful reproduction of the original music, for excellent sound quality.

Other Notable Features

- 192kHz/24-bit Burr-Brown DACs for all channels
- Initial Volume and Maximum Volume
- Audio Delay for adjusting Lip-Sync (0-240ms)
- SILENT CINEMA / Virtual CINEMA DSP
- 40-station preset tuning
- Auto preset tuning

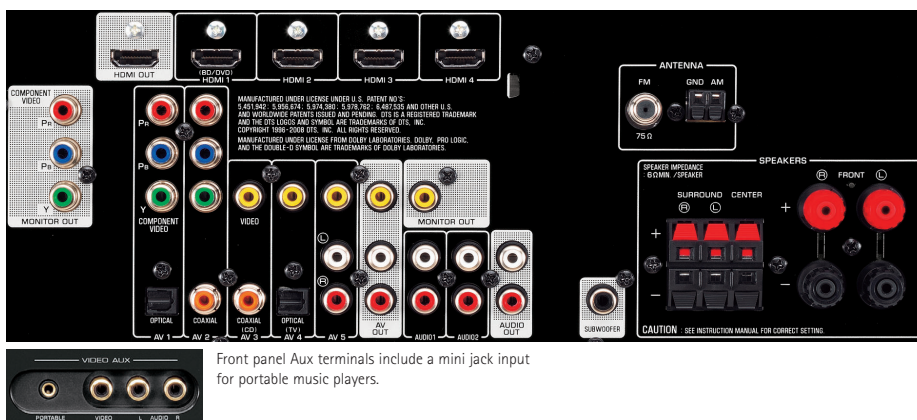
SPS-90 Optional Floorstanding Speaker Stands

- Dimensions (W x H x D)/Weight: 230 x 910-1,200 (height adjustable) x 230 mm/2.2 kg per unit



HTR-3063 Extensive Connections

Inputs	
HDMI (Audio Input Assignable)	4
Radio Antenna (FM/AM)	1 / 1
Optical Digital	2
Coaxial Digital	2
Analogue Audio	4
Component Video (Audio Input Assignable)	2
Composite Video	4
Outputs	
HDMI	1
Analogue Audio	2
Component Video Monitor	1
Composite Monitor	1
Speaker (without subwoofer)	5ch
Subwoofer	1



Front panel Aux terminals include a mini jack input for portable music players.

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