

Key Features

- 7.1 Channel A/V Receiver (100W x7 @ 8 ohms 1kHz 1% THD)
- 6 HD Inputs (4 HDMI™ , 2 Component)
- 3D pass-through
- HD Digital Cinema Sound™ (HD DCS)
- Dolby® TrueHD, Pro logic IIz and dts® HD Enhanced Audio Codecs²
- BRAVIA Widget unified TV on-screen interface⁵
- Audio Return Channel uses just one cable for TV audio⁶
- Standby pass-through of Audio & Video via HDMI™ connected devices
- Fully Assignable inputs allows for use of all connections
- BRAVIA® Sync for multi-device control w/ one remote⁴
- Sony Pre-programmed Remote Control included
- 24p True Cinema™ pass-through



Key Technologies

6 HD Inputs Get versatile HD connection options with six HD inputs. Four HDMI™ inputs (up to 1080/24p capable) let you connect a Sony® PlayStation® 3 entertainment system, Blu-ray Disc™ player, and any 2 other HDMI-capable devices, for high definition video and audio.⁵ Two component inputs (1080/60i capable) provide added HD-capable connectivity and versatility.

3D Pass-through Compatible with Blu-ray 3D™ movies, video games and other 3D content¹

HD Digital Cinema Sound Optimize your receiver to mimic the sound characteristics of Sony Pictures.

Advanced Blu-ray Disc™ Audio Decoding Experience sound closer to the way it was captured with LPCM, Dolby® trueHD, ProLogic IIz and dts®-HD master audio codecs.²

Audio Return Channel Eliminate the need for extra cables connected to your TV. This feature allows audio to be sent from your compatible TV to your receiver through the same HDMI™ cable already being used to send audio and video to your TV.⁶

Standby pass-through of Audio & Video Conveniently access all your HDMI™ connected devices without having to power on the receiver.

Assignable digital audio and video inputs Get the most out of each audio and video input with the ability to reassign inputs to support connected devices.

BRAVIA® Sync Capable Conveniently operate and control select Sony® BRAVIA® Sync devices with one remote including: Sony Blu-ray Disc™ Players, BRAVIA® HDTVs, Sony home theater products, Handycam® Camcorders and Cyber-shot® Digital Cameras.⁴

24p True Cinema™ (pass-through) Watch Blu-ray Disc™ movies in their native frame rate (24 frames per second) when paired with a 24p HDTV and playback device like a Blu-ray Disc™ Player or PlayStation®3 gaming console via HDMI™ cable.

STR-DH520

Sony® 7.1 Channel 3D AV Receiver

Features

Video Features

HDMI™

3D over HDMI: Yes
Audio Return Channel: Yes
Audio Widget: Yes
BRAVIA(r) SYNC(TM) (CEC Control): Yes
HDMI Pass Through: Yes
HDMI(tm) video output capability:
1080P/24P/Deep Color/x.v.Color (xvYCC)
Theater Mode Selector: Yes

A/V Sync

A/V SYNC: Yes(Fixed)
A/V Sync Sampling Frequency: 48kHz
A/V Sync Time(msec): 60msec
A/V Sync auto mode: No

Amplifier/Receiver

Amplifier

4 Ohm/8 Ohm Switching: 8 Ohm only
Analog Direct: Yes
Night Mode: Yes
Speaker Selector: A Speakers only
Speaker Terminal: Front(Screw)/Others
(Push)
Sub Woofer X' Over: 17 points (40-200Hz)
Advanced Auto Volume: Yes
Number of amp. channels: 7ch (Sub must
be self powered)

Other

Additional

Assignable Component Video IN: Yes
Assignable HDMI Video IN: Yes
Auto Standby: Yes
Digital Input Assign: Yes
Pin Jack: Nickel
Power Requirement: 120V 60Hz
Remote Commander: RM-AAU104
Sleep Timer: Yes

Specifications

Amplifier/Receiver

Output Power

(8Ohms 1kHz) THD: 1%
(8Ohms 20-20kHz) THD: 0.09%
8Ohms 1kHz: 100W + 100W
8Ohms 20-20kHz: 90W + 90W
Output Power (JEITA 10%)/Rated Output
Power(0.09% 20Hz-20kHz 4Ohm): 10%
Output Power (JEITA 10%)/Rated Output
Power(0.09% 20Hz-20kHz 8Ohm): 130W

Decoding Format(s)

96k/24Bit PCM: Yes
Dolby Dual Mono: Yes
LPCM (2CH/5.1CH/7.1CH) thru HDMI: Yes
(Yes/Yes/Yes)
DTS / DTS-ES (Matrix6.1 / Discrete6.1):
Yes/Yes
DTS 96/24/ DTS NEO:6: Yes/Yes
DTS HD MA/ DTS HD HR: Yes/Yes
Dolby Digital EX/ Dolby Digital: Yes/Yes
Dolby Prologic/II /Iix /Iiz: Yes/Yes/Yes/Yes
Dolby TruHD/Dolby Digital +: Yes/Yes

Tuner

Auto Tuning: Yes
Direct Tuning: Yes(RM)
Station Name: Yes
FM/AM: Yes/Yes
Preset Channel (Sirius/XM/FM/AM): TTL60
(30FM/30AM)

Tone Control

Front (Bass/Treble): Yes/Yes

Sound Field

2ch: Yes
A.F.D. Auto: Yes
Analog Direct: Yes
Church: Yes
Concert Hall: Yes
Digital Concert Hall A/B: Yes
HD-D.C.S.: Yes
Headphone 2ch: Yes
Headphone Direct: Yes
Headphone Multi: Yes
Jazz Club: Yes
Multi Stereo: Yes
Neo:6 Music: Yes
PLII Movie: Yes
PLII Music: Yes
PLIIX Movie: Yes
PLIIX Music: Yes
PLIIZ Height: Yes
Portable Audio Enhancer: Yes
Sports: Yes
Stadium: Yes

Audio Input

Analog Audio In (Inc TV CEC)/Out (excl.
tuner)/TV (CEC): 2/Yes
Coax.: 1
Opt. In/Out/TV (CEC): incl Front input & TV
(CEC): 2/yes
Analog Stereo Mini Jack: 1(for Portable)

Audio Output

Analog Audio Out: 0
Headphone Out: Yes(Gold)
Pre Out (Subwoofer): 1

Speaker Out

Center: Yes
Front A (L/R): Yes
Surround (L/R): Yes
Surround Back (L/R): Yes
Front High (L/R)/ Surround Back for
Common Use: Yes

Video Input

A/V In: Including Front AV: 2
Component Video In: 2
HDMI In (Front In): 4

Video Output

A/V Out (inc. Monitor Out): 1
Component Video Out (inc. Monitor Out):
1
HDMI Out: 1

- 3D viewing requires 3D content, 3D HDTV, a high speed HDMI™ cable (supporting at least 10.2 Gbps) connection, and other 3D accessories (including 3D glasses).
- Dolby® True-HD and dts®-HD Master Audio decoding require HDMI™ cable and capable source device (both sold separately).
- Requires connection via HDMI™ cable (sold separately) to equivalent HDTV. Image and sound quality will vary depending on source.
- Works with other BRAVIA® Sync or Theatre Sync™ labeled home audio/video products when connected via HDMI™ interface.
- Can be used only when [sound bar, receiver, etc.] is connected to a Sony XBR-EX620, EX630, EX720, EX820, EX830, NX830, HX820, HX830, or HX930 series BRAVIA HDTV via HDMI™ cable (sold separately).
- HDMI™ cable required, sold separately.
- Requires sources connected with HDMI™ cables (sold separately). Sound Quality will vary depending on source.

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