

DV-SP506

 1080p Upscaling Super Audio CD and DVD Audio/Video Player

GOLD


Leading the Field with High-Definition Video Quality and the Whole Gamut of Music Recordings

As Onkyo's first 1080p upscaling Super Audio CD and DVD Audio/Video player, the DV-SP506 is built on a platform of robust, performance-focused A/V processing and HDMI™ capability. HDMI is the pipeline through which your DVDs and DivX® sources are transformed all the way to high-definition video quality. The DV-SP506 also delivers multichannel PCM audio and Direct Stream Digital (DSD) over HDMI. To enhance audio quality and system integration, the player draws on two proprietary Onkyo technologies—VLSC and RIHD. Audio quality is further boosted by three high-end Burr-Brown audio DACs and an internal design that suppresses harmful vibrations.

DVD Video, DivX, and a Range of Music Options (Including Multichannel Music and MP3s)

The DV-SP506 is a "universal" playback device, meaning that it covers much more than just DVD Video playback. DVD-Audio and Super Audio CD media offer both two-channel and multichannel music with a truly wide range and high resolution. Both formats offer the best stereo sound from high-resolution and remastered recordings. This player will also handle your standard audio CDs, as well as CD-R/RW discs containing up to ten hours of MP3 or WMA files. Also, DivX video burnt to disc is another option for video download via the internet.

HDMI for Passing 1080p Video, Multichannel PCM Audio, and Direct Stream Digital (DSD)

With high-definition 1080p HDTVs becoming a mainstream fixture in the home, you now have the chance to bring out a previously unseen visual quality from your DVDs. On top of video, the DV-SP506 will handle 5.1-channel PCM audio or DSD (the core encoding technology for Super Audio CD). The DV-SP506's HDMI platform can also handle the full high resolution of DVD Audio music sources, as well as other two-channel music sources.

High-Definition 1080p Video Upscaling

If you've already invested in an HDTV, or are planning to in the near future, the DV-SP506 is the perfect vehicle for getting the best from DVD-Video discs and DivX. You can either watch your video source in its native resolution, or you can upscale it to 1080p video resolution by simply pressing a button on the remote control. Upscaled video sources are delivered via HDMI.

VLSC (Vector Linear Shaping Circuitry) for Clean Audio Signals

A player's main purpose is to read digital information and convert it into an analog signal to feed to an amplifier or A/V receiver. One problem with digital audio signals—especially those in compressed formats—is their susceptibility to harmful pulse noise. To counter this, Onkyo's VLSC uses a unique digital-to-analog conversion circuit to ensure that the DV-SP506 extracts the cleanest possible audio signal from all audio sources.

High-End Burr-Brown 192 kHz/24-Bit Audio DACs

Keeping with the Onkyo emphasis on sound quality, the DV-SP506 incorporates three Burr-Brown (PCM1796) 192 kHz/24-bit audio DACs. These DACs—originally found only in Onkyo's high-end A/V receivers—feature an advanced Texas Instruments DAC architecture that promotes excellent dynamic performance and improves tolerance to clock jitter.

Simultaneous Output from All Video Connections*

This feature allows you to simultaneously send the same video source to different displays via different outputs—from HDMI, component video, S-Video, and composite video.

*Depending on setting

RIHD (Remote Interactive over HDMI) for System Integration with RIHD-Compatible Onkyo A/V Receivers and Brand-Name Displays

The DV-SP506 features Onkyo's RIHD compatibility, enabling easy integration with compatible Onkyo A/V receivers and leading-brand displays, including selected Sharp models and models with Panasonic VIERA Link™ and Toshiba REGZA LINK™ capability. RIHD functionality allows your system to be connected via HDMI, for straightforward integration and operation of multiple components.



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ADVANCED FEATURES

- Plays DVD Video, Super Audio CD, DVD Audio, Audio CD, CD-R/RW, DVD-R/RW, DVD+R/RW, DVD-R DL, DVD+R DL^{*1}
- Plays MP3, WMA, DivX[®], and JPEG (with HD JPEG Resolution via HDMI) Formats
- HDMI™ Digital Interface (Version 1.2a)
- 1080p Video Upscaling (via HDMI Output)
- 5.1-Channel PCM Audio Output and Direct Stream Digital (DSD) via HDMI
- RIHD (Remote Interactive over HDMI) for System Integration
- VLSC (Vector Linear Shaping Circuitry)
- 108 MHz/14-Bit Video DAC
- Three Burr-Brown (PCM1796) 192 kHz/24-Bit Audio DACs
- Simultaneous Output from All Video Connections^{*2}
- Disc Navigator for Browsing Video and Audio Content (Including MP3, WMA, DivX, and JPEG)

^{*1} Discs that have not been properly finalized may be only partially playable or not playable at all.

^{*2} Depending on setting

AUDIO AND VIDEO FEATURES

- DTS Digital Surround[®] and Dolby[®] Digital
- 480i Video Output for Processing by Advanced Scaling Devices
- Component (480i/480p), S-Video, and Composite Video (480i) Outputs
- Coaxial and Optical Digital Outputs
- 5.1 Multichannel Analog Audio Outputs
- Downmixing to 2 Channels
- Frame-by-Frame Playback for DVD
- Fast Forward and Reverse (x2, x4, x8, x16) Playback
- Slow Motion DVD Playback (4 Speeds)
- Repeat Playback (Chapter, Title, Disc, Track, A-B Repeat, Folder for MP3-/WMA-Encoded CDs)
- Random Playback (Title, Disc, Folder for MP3-/WMA-Encoded CDs)
- Memory Playback (Up to 32 Titles, Chapters, or Tracks)
- Multi-Camera Angle, Subtitles, and Language Switching (with Default Language)
- Last Play Memory (DVD) and Resume Function
- Zoom Function
- Multi-Aspect Ratio (16:9, 4:3)
- Video Black Level Control
- Audio Dynamic Range Control

OTHER FEATURES

- Elastomer Base for Disc Drive to Protect Internal Circuitry from Vibrations
- Onscreen Set-up Menus
- Onscreen Display (English, French, Spanish, German, Italian, Chinese)
- Displays ID3 Tags for MP3 and WMA Files
- Display Dimmer (3 Modes)
- Remote Control

SPECIFICATIONS

VIDEO SECTION

Signal System	PAL/NTSC
Composite Video Output/Impedance	1 Vp-p/75 Ω negative sync.
S-Video Output/Impedance	Y: 0.7 Vp-p/75 Ω negative sync., 4-pin mini DIN C: 0.286 Vp-p/75 Ω
Component Video Output/Impedance	Y: 1 Vp-p/75 Ω Pb/Pr: 0.7 Vp-p/75 Ω
HDMI Output	19-pin connector
Component Video Frequency Response	5 Hz-50 MHz

AUDIO SECTION

Frequency Response	
DVD Audio	4 Hz-88 kHz (192 kHz)
Super Audio CD	4 Hz-50 kHz (192 kHz)
DVD Linear Sound	4 Hz-44 kHz (96 kHz)
Audio CD	4 Hz-22 kHz (48 kHz) 4 Hz-20 kHz (44.1 kHz)
S/N Ratio	106 dB
Audio Dynamic Range	96 dB
THD (Total Harmonic Distortion)	0.004% (1 kHz)
Wow and Flutter	Below threshold of measurability
Audio Output/Impedance	
Optical	-22.5 dBm
Coaxial	0.5 Vp-p/75 Ω
Analog	2 V (rms)/440 Ω pin jack (5.1 ch) x 1, pin jack (L/R) x 1

GENERAL

Power Supply	AC 100-240 V~, 50/60 Hz
Power Consumption	22 W
Standby Power Consumption	0.5 W
Dimensions (W x H x D)	435 x 80.4 x 309 mm
Weight	3.7 kg

CARTON

Dimensions (W x H x D)	536 x 182 x 388 mm
Weight	5.2 kg



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IMAGINATIVE SIGHT & SOUND

Onkyo Corporation 2-1 Nissin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>

Onkyo China Limited Unit 1 & 12, 9/F, Ever Gain Plaza Tower 1, 88, Container Port Road, Kwai Chung, N.T., HONG KONG, SAR of China Tel: +852-2429-3118 Fax: +852-2428-9039 <http://www.ch.onkyo.com/>

Onkyo U.S.A. Corporation 18 Park Way, Upper Saddle River, N.J. 07458, U.S.A. Tel: +1-201-785-2600 Fax: +1-201-785-2650 <http://www.onkyousa.com/>

Onkyo Europe Electronics GmbH Liegnitzerstrasse 6, 82194 Grobenzell, GERMANY Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>