

# DV-SP800

THX ULTRA CERTIFIED DVD-AUDIO/VIDEO/SUPER AUDIO CD/MP3 PLAYER

**ONKYO**  
IMAGINATIVE SIGHT & SOUND



Available in Gold or Black

## The DVD Player That Will End the DVD-Audio or Super Audio CD Debate

DVD-Audio, with its rich, enveloping sound from 5.1 channels, or Super Audio CD with its frequency response of up to 100 kHz and sampling rate of 2.822 MHz. The debate over which provides the purest and smoothest musical experience is still raging. Fortunately, the DV-SP800 lets you make the final decision by providing you with the choice of both DVD-Audio and Super Audio CD playback. But it doesn't stop there. THX Ultra certification and Onkyo's exclusive ExperienCinema design provide you the finest visual and audio experience through direct digital path, 192 kHz/24-bit DACs, and Vector Linear Shaping Circuitry (VLSC) and the introduction of PAL and NTSC Progressive Scan. Life is about choices. The DV-SP800 could very well be the last player you'll ever have to choose.

### ExperienCinema

Our over 50 years of experience in Imaginative Sight & Sound allows you to experience pure listening and viewing pleasure through our ExperienCinema concept. Onkyo not only provides you with the highest picture quality available, through progressive scan, but also audiophile quality sound from 192 kHz/24-bit D/A converters and Onkyo exclusives Direct Digital Path technology and VLSC (Vector Linear Shaping Circuitry). All of this adds up to a truly astounding sight & sound experience. ExperienCinema—the way it was meant to be.

### PAL and NTSC Progressive Scan

Most DVDs are "progressive"—meaning they produce video in complete frames. But to be compatible with all TVs, the DVD signal must be interlaced—a method where the picture is split into two fields and then blurred together to look like one. Now PAL and NTSC Progressive scan retrieves the original Progressive and on such compatible displays as HDTV, plasma or digital TV and projectors, "paints" all the visible lines on the screen in a single pass—so you'll enjoy a scan-line-free image, with spectacularly clear color, no motion artifacts, and details so sharp they seem as if they're etched onto the screen.

### Exclusive Direct Digital Path

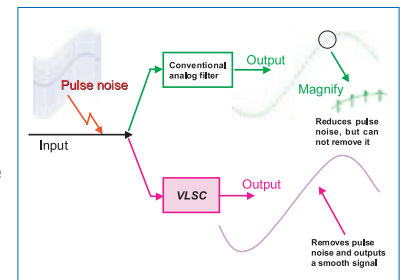
Unlike other DVD players that use PC-board copper traces to transfer the digital audio signal, the DV-SP800 employs a high-purity, heavy-gauge, shielded cable to directly output the 96 kHz/24-bit digital bitstream straight from the disc to the back panel. The result is a noise-free digital audio signal that is less susceptible to flux.

### THX-Ultra Certified

Only those players capable of realizing the highest potential of DVD technology can bear the THX certification badge. It means the DV-SP800 meets the exceedingly high THX Ltd. performance standards for not only the sound and the picture, but also for user convenience, basic quality and long-term reliability.

### VLSC (Vector Linear Shaping Circuitry)

Conventional D/A conversion methods reduce digital pulse noise at the conversion stage but can't remove it completely. Previously only available on Onkyo's high-end components, VLSC (Vector Linear Shaping Circuitry) employs a unique D/A conversion circuit to overcome this problem. Data is converted between the sampling points and these discrete sampling points are joined with analog vectors in real-time to produce a smooth output wave form. The result—a noiseless, smooth analog signal based on the digital source.



### State of the Art 192 kHz/24-Bit Burr Brown DACs

This top-quality digital-to-analog converter utilizes Burr-Brown's enhanced multi-level delta-sigma architecture, which employs 4th-order noise shaping and 8-level amplitude quantization to achieve excellent dynamic performance and improved tolerance to clock jitter.

### DVD-Audio and Super Audio CD Decoding

DVD-Audio and Super Audio CD are nothing less than the new world standards for super-high fidelity sound. DVD-Audio features nearly seven times the storage capacity of CDs with realistic multichannel sound. Super Audio CD offers lossless encoding with a frequency response of up to 100 kHz and a sampling rate of 2.822 MHz to give pure sonic clarity.



Black model

# DV-SP800

THX ULTRA CERTIFIED DVD-AUDIO/VIDEO/SUPER AUDIO CD/MP3 PLAYER



## Video Features

- THX Ultra Certified
- DTS, Dolby Digital Decoding
- Plays DVD-Audio & Video, DVD-Rs\*, DVD-RWs\*, Super Audio CDs, MP3 CDs, CD-Rs, CD-RWs, Video CDs and Audio CDs
- 108 MHz/12-bit video D/A conversion
- PAL and NTSC Progressive Scan video output
- Passes PLUGE signals
- Last play memory (5 DVDs)
- Program playback and memory (24 DVDs)
- Condition memory (15 DVDs) for audio and subtitle languages, multi angle video adjust, onscreen display (position), and parental lock
- Fast forward and reverse [DVD-Video: 3 Steps] [DVD-Audio/Super Audio CD/CD/VCD: 2 steps]
- Slow motion DVD-Video playback (without sound) at 1/2, 1/4, 1/8 or 1/16 the normal speed
- TITLE/CHAPTER/TRACK repeat
- Random playback (DVD, CD, MP3 folder/track)
- 8-Language soundtrack capability
- 32 Subtitle languages
- Multi-aspect ratio (16:9, 4:3)
- Multi-camera angle
- Parental control
- Bit-rate meter display
- Full-time active video outputs (composite, S-video, component-video)
- Screen saver

\*Discs that have not been properly finalized may only be partially playable or not playable at all.

## Audio Features

- 192 kHz/24-bit audio DACs
- Direct Digital Path
- VLSC (Vector Linear Shaping Circuitry)
- 96 kHz or 48 kHz selectable digital output
- Analog line level output
- Optical & coaxial digital outputs
- Plays up to 10 hours of music on a single MP3 CD (depending on the MP3-file bit rate)
- Surround-2 mode capability

## Other Performance Features

- Dual-laser optical pickup
- Full set of A/V outputs (component S-video & composite)
- DVD Quick-Start Play
- Dedicated subwoofer pre out
- High resolution onscreen display (English, Chinese)
- Front panel cursor control
- 4-Level display dimmer (Normal, dim, dark, off)
- Video circuit off
- Supplied A/V and S-video cables
- Supplied high-quality AC power cord
- Brushed Aluminum front panel
- Full-function RI-compatible remote control with TV presets



Full-function RI remote

## SPECIFICATIONS

### Video Section

|                                   |  |
|-----------------------------------|--|
| Signal System                     | PAL/Auto Mode  |
| S-Video Output/Impedance          | 1.0 Vp-p/75 Ω (Component and S-Video Y), 0.286 Vp-p/75 Ω (S-Video C)<br>Negative sync., Mini DIN 4-pin x 2 |
| Component Signal Output/Impedance | (Y) 1.0 Vp-p, 75 Ω, Negative sync., Pin jack x 1, (Cb, Pb) 0.7 Vp-p, 75 Ω                                  |
| Video Output/Impedance            | 1.0 Vp-p, 75 Ω, Negative sync., Pin jack x 2   |

### Audio Section

|                                 |  |
|---------------------------------|--|
| Frequency Response              | DVD Liner Sound ..... 4 Hz-44 kHz (96 kHz)<br>4 Hz-96 kHz (192 kHz)<br>Audio CD ..... 4 Hz-20 kHz (44.1 kHz)   |
| S/N Ratio                       | 118 dB   |
| Audio Dynamic Range             | 100 dB   |
| THD (Total Harmonic Distortion) | 0.001 % (1 kHz)  |
| Wow and Flutter                 | Below threshold of measurability   |
| Audio Output                    | Optical ..... -22.5 dBm x 2  |
| Audio Output/Impedance          | Coaxial ..... 0.5 Vp-p/75 Ω<br>Analog ..... 2.0 V RMS, 440 Ω, Pin jack (L, R) x 2<br>2.0 V RMS, 440 Ω, Pin jack (Lo/Lt, Ro/Rt, SL1, SR1, C, Sw) x 1<br>1.4 V RMS, 440 Ω, Pin jack (SL2, SR2) x 1 |

### GENERAL

|                        |                            |
|------------------------|----------------------------|
| Power Supply           | AC 120/220-230 V, 50/60 Hz |
| Power Consumption      | 36 W                       |
| Dimensions (W x H x D) | 435 x 91 x 314 mm          |
| Weight                 | 5.0 kg                     |



## PAL Progressive Upgrade

Previous models of the DV-SP800 can be upgraded to PAL progressive scan capability. Contact your local Onkyo dealer for details.

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice.

"THX" is a trademark or registered trademarks of THX Ltd. "DTS" is a trademark of Digital Theater Systems, Inc. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

"NSV" is a trademark of Analog Devices, Inc. "ExperienCinema" and "VLSC" are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.



**Onkyo Corporation** Business Unit Dept.: 2-1, Nishin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN Tel: 072-831-8005 Fax: 072-833-5222 <http://www.onkyo.com/>  
**Onkyo China Limited** Units 2102-2107, Metroplaza Tower 1, 223 Hing Fong Road, Kwai Chung, N. T., HONG KONG, SAR of China Tel: 852-2429-3118 Fax: 852-2428-9039 <http://www.onkyochina.com>  
**Onkyo U.S.A. Corporation** 18-10 Park Way, Upper Saddle River, N.J. 07458, U.S.A. Tel: 201-825-7950 Fax: 201-825-8150 <http://www.onkyousa.com>  
**Onkyo Europe Electronics GmbH** Liegertstrasse 6, 82194 Grobenzell, GERMANY Tel: 08142-4401-0 Fax: 08142-4401-555 <http://www.onkyo.net>