

DV-SP301

DVD/CD/MP3 CD PLAYER

ONKYO
IMAGINATIVE SIGHT & SOUND



Available in Gold or Black

Onkyo Quality at an Affordable Price—The Perfect Match for Your Entertainment

The DV-SP301 offers two of the most pleasing phrases for customers in today's market—technologically advanced and an affordable price. The exclusive Experiencinema design covers both the finest audio and video on the market. For audio, 192 kHz/24-bit D/A converters, VLSC (Vector Linear Shaping Circuitry) and direct digital path give you clean, precise sound. For video, progressive scan means an ultra-smooth picture on compatible TV screens. The bottom line is that Onkyo has created an entry level DVD player that will provide the convenience for those new to home theater and features for those looking for an all-around entertainment experience.

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.

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

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.

Exclusive Direct Digital Path

Unlike other DVD players that use PC-board copper traces to transfer the digital audio signal, the DV-SP301 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.

Outstanding Disc Compatibility

While all DVD players can play CDs, the DV-SP301 can also play both CD-Rs (write-once) and CD-RWs (rewritable), as well as CDs that hold MP3 and JPEG/Kodak picture coded files.

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.

MP3 Playback

Instead of using your small computer speakers, you can play over your home theater system the MP3 files you downloaded from the Internet and other sources—up to 10 hours or more of music on a single disc, depending on the bit rate of the MP3 files. The DV-SP301 will display the MP3 filenames on your TV screen, and you can program a playlist of up to 24 songs from the same disc.

2-3 Pulldown 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. The 2-3 pulldown progressive scan on the DV-SP301 "paints" all the visible lines in a single pass—so you'll enjoy a scan-line-free image, spectacularly clear color, no motion artifacts, and details so sharp they seem as if they're etched onto the screen of compatible displays such as HDTV, plasma or digital TV and high-end projectors.



Black model

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Video Features

- Plays DVDs, MP3 CDs, WMA CDs, CD-R/RWs, DVD-R/RWs*, Kodak and JPEG encoded Picture CDs, Video and Audio CDs
- Advanced 54 MHz/10-bit video D/A conversion (for Progressive Scan)
- 2-3 Pull-down Progressive Scan Video Output
- Passes PLUGE signals
- Last play memory (5 DVDs) and resume function
- Program Playback
- Program Memory (24 DVDs)
- Condition Memory (15 DVDs) for audio and subtitle languages, multi angle video adjust, onscreen display (position), and parental lock
- DVD, CD & VCD fast forward and reverse (DVD: 3 speeds; CD/VCD: 2 speeds)
- Slow motion Fast Forward/Reverse DVD playback (without sound)
- 4-Mode repeat (title, chapters, tracks, A-B block)
- Random playback (DVD, CD, MP3 folder/track)
- 8-Language soundtrack capability
- 32 Subtitle languages
- Multi-aspect ratio (16:9, 4:3)
- Multi-camera angle
- 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

- VLSC-Vector Linear Shaping Circuitry
- 192 kHz/24-bit audio DAC
- 96 kHz or 48 kHz selectable digital output
- Direct Digital Path
- Optical & coaxial digital outputs for DTS/Dolby Digital/PCM
- Audio dynamic range control
- Plays up to 10 hours of music on a single MP3 CD (depending on the MP3-file bit rate)

Other Performance Features

- Dual-laser optical pickup
- Full set of A/V outputs (component, S-Video & composite)
- DVD Quick-Start Play
- Bit-rate meter display
- High resolution onscreen display (English, Chinese)
- 3-Level display dimmer (Normal, dim, dark)
- Supplied A/V and S-Video cables
- Full-function RI-compatible remote control



Full-function RI-compatible 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)
Component Signal Output/Impedance	0.7 Vp-p/75 Ω (Component Pb/Ce, Pr/Cr)
Video Output/Impedance	1 Vp-p/75 Ω (Composite)
Component Video Frequency Response	5 Hz-50 MHz

AUDIO SECTION

Frequency Response	
DVD Liner Sound	4 Hz-44 kHz (96 kHz) 4 Hz-22 kHz (48 kHz)
Audio CD	4 Hz-20 kHz (44.1 kHz)
S/N Ratio	100 dB
Audio Dynamic Range	95 dB
THD (Total Harmonic Distortion)	0.008 % (1 kHz)
Wow and Flutter	Below threshold of measurability
Audio Output	
Optical	- 22.5 dBm
Audio Output/Impedance	
Coaxial	0.5 Vp-p/75 Ω
Analog	2.0 V (rms)/470 Ω

GENERAL

Power Supply	AC 100-240 V, 50/60 Hz
Power Consumption	16 W
Dimensions (W x H x D)	435 x 81.5 x 280 mm
Weight	3.0 kg

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

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