

# DV-SP406 1080p Upscaling DVD/CD/MP3 Player

**SILVER** **BLACK**


## A Comprehensive Playback Solution with 1080p Video Upscaling, HDMI™ and USB Connectivity

In the fast-paced world of home entertainment, you are faced with a myriad of choices. More often than not, more choices than you really want to make. If you're after a playback component that's going to take care of your core entertainment needs—DVD Video, music CDs, and your computer-based music and video files—then the DV-SP406 DVD/CD/MP3 player makes good sense. It actually goes a lot further by upscaling video sources to 1080p, for a one-cable HDMI digital connection to a high-definition display. Furthermore, its front-panel USB interface allows easy transfer or your digital music files for playback via your entertainment system. You'll also find quality components throughout, such as a 192 kHz/24-bit audio DAC and a 108 MHz/14-bit video DAC to promote overall playback quality; an intuitive Disc Navigator system that simplifies control over disc media; and a remote control that can be used with an integrated system.

### HDMI Interface for Passing Video to HDTVs or A/V Receivers

With high-definition 1080p HDTVs becoming a mainstream fixture in the home, you now have the chance to bring a visual quality to DVDs that was previously lacking. The DV-SP406 uses the HDMI interface to deliver video to an HDMI-enabled HDTV or to an A/V receiver. With only one cable to plug in to any HDMI-enabled display device, there's no unsightly cable mess and a straightforward connection process. It's also possible to send a two-channel, PCM audio signal via the DV-SP406's HDMI output (multichannel audio is delivered via the DV-SP406's digital outputs).

### 1080p Video Upscaling for High-Definition Video Quality

If you've already invested in an HDTV, or are planning to in the near future, the DV-SP406 is the perfect vehicle for getting the best from DVD Video and DivX videos burned to disc. You can either watch your video sources in their native resolution, or you can upscale the same sources to 1080p video resolution by simply pressing a button on your remote control. The DV-SP406 delivers upscaled video sources via HDMI.

### USB Interface for Transferring Audio, DivX and JPEG Files

By connecting a USB mass storage device to the slot on the front of the DV-SP406, you can access digital audio files (MP3 and WMA), DivX and JPEG photo files. When you connect a device to the DV-SP406, you can use the Disc Navigator function to play back your files exactly as you would with content burned to disc. If you're already purchasing music online, or have your picture files stored on your computer, the USB interface is a convenient way of transferring your files.

### Disc Navigator for Easy Access to Video and Audio Content

Disc Navigator is a system that lets you view, search, and select all your media via an intuitive on-screen display. This function can be selected and operated using the cursor on your remote control. While playing

back DVD videos\*, you can select various options (such as title or chapter. Disc Navigator is also very useful when browsing computer-based files (including WMA, MP3, DivX® Video, and JPEG). When these files are burned to disc, the content is often held within multiple folders. Disc Navigator makes browsing and selecting the content of digital files simple and systematic. It even lets you play back a slideshow of JPEG photos while a WMA or MP3 music file plays in the background.

\*Depending on disc.

### Expanding Your Choice of Movie, Music, and Photo Options

Any player that offers only DVD playback is selling you short. The DV-SP406 offers you quality playback of DVD video and DualDisc, as well as DivX video recorded to DVD±R/DVD±RW. Along with your standard audio CDs, the DV-SP406 will play MP3 and WMA files burned to CD-R and CD-RW (up to 10 hours or more on a single disc). Also, any digital photos in JPEG format that you choose to burn to disc can be viewed in the fuller scale of your TV display.

### DivX Compatibility Enables Access to Online Video

DivX is one of the leading formats for video downloaded and exchanged via the internet. Its popularity stems from its ability to compress video files and then transfer them over the internet without any reduction in visual quality. After burning a movie onto a disc, you can pop the disc into the DivX-certified DV-SP406 and enjoy it on the larger screen of your home theatre or living room display.

### Precise A/V Processing with Quality Video and Audio DACs

A crucial factor in achieving clear, pristine digital video playback is the video digital-to-analog converter in your DVD player. The DV-SP406 has an onboard 108 MHz/14-bit video DAC supporting the transfer of progressive scan images. Also, to deliver audio performance that's ideal for today's formats, the DV-SP406 has a 192 kHz/24-bit DAC with a suitably wide dynamic range and resistance to clock jitter.



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## ADVANCED FEATURES

- Plays DVD Video, Video CD, DualDisc (Not DVD-Audio), Audio CD, CD-R/RW, DVD-R/RW, DVD+R/RW\*
- Plays MP3, WMA, DivX, and JPEG Formats
- HDMI Digital Interface (Version 1.1)
- 1080p Video Scaling via HDMI Output
- Front-Panel USB (Version 1.1) Port
- Component, S-Video, and Composite Video Outputs
- 192 kHz/24-Bit Audio DAC
- 108 MHz/14-Bit Video DAC
- Disc Navigator for Browsing Video and Audio Content (Including WMA, MP3, DivX Video, and JPEG)

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

## AUDIO AND VIDEO FEATURES

- DTS® Digital Out and Dolby® Digital
- 2 Digital Outputs (Coaxial/Optical)
- Last Play Memory (DVD/CD) and Resume Function
- Program Memory and Playback (CD)
- Fast Forward and Reverse for DVD Video and DivX (4 Speeds); Audio CD, Video CD, MP3s, and WMA (3 Speeds)
- Slow Motion DVD Playback (1/2, 1/4, 1/8, or 1/16 Speed)
- A-B Repeat (Looping) and Standard Repeat Play for DVD Video and Audio CDs
- Random Play for Audio CDs
- Subtitle and Language Switching
- Zoom Function (400%, 1600%) for Video and Picture Files
- Multi-Aspect Ratio (16:9, 4:3)
- Multi-Camera Angle
- Dynamic Range Control (On, Off)

## OTHER FEATURES

- High-Resolution On-Screen Display (English, French, Spanish, German, Italian, Portuguese, Dutch, Polish, Russian, Chinese Mandarin, Cantonese, Japanese, Thai, Vietnamese, Indonesian)
- Parental Lock
- Full-Function Remote Control

## SPECIFICATIONS

### VIDEO SECTION

Signal System	PAL/NTSC
Composite Video Output/Impedance	1.0 Vp-p/75 Ω negative sync
S-Video Output/Impedance	Y: 1.0 Vp-p/75 Ω negative sync, 4-pin mini DIN C: 0.286 Vp-p/75 Ω
Component Video Output/Impedance	Y: 1.0 Vp-p/75 Ω Pb/Pr: 0.7 Vp-p/75 Ω
Component Video Frequency Response	5 Hz–13 MHz
HDMI Output	19-pin connector

### AUDIO SECTION

Frequency Response	DVD Linear Sound	20 Hz–44 kHz (96 kHz)
	Audio CD	20 Hz–22 kHz (48 kHz)
	Audio CD	20 Hz–20 kHz (44.1 kHz)
S/N Ratio		105 dB
THD (Total Harmonic Distortion)		0.03% (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)/550 Ω

### GENERAL

Power Supply	AC 110–240 V~, 50/60 Hz
Power Consumption	9 W
Standby Power Consumption	0.9 W
Dimensions (W x H x D)	435 x 58.5 x 250 mm
Weight	1.7 kg
<b>■ CARTON</b>	
Dimensions (W x H x D)	520 x 129 x 298 mm
Weight	2.5 kg



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**ONKYO**  
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