

# DV-CP704

HDMI DVD/CD/MP3 6-DISC CHANGER

**ONKYO**  
IMAGINATIVE SIGHT & SOUND



Available in Silver or Black

## Exceptional Style and Stunning Performance with Endless Hours of Non-Stop Entertainment

A great way to complement a home theater playback component with multiple disc format capabilities is to give it extended playback capabilities and superior signal processing. Also, anything as good-looking as the DV-CP704 HDMI DVD/CD/MP3 6-disc changer is going to be welcome in any home or as part of any system. It will take charge of DVD-Video and MP3-/WMA-/HD JPEG-enabled discs all for output via HDMI (on top of digital, component, S-Video outputs) to compatible HDTV displays and receivers. Also, with the inclusion of Onkyo's Vector Linear Shaping Circuitry (VLSC) and Direct Digital Path, the emphasis is on delivering an audio signal without the noise that plagues other poorly built playback components. With easy operation and simple integration, the DV-CP704 is a sophisticated addition to any home theater system.

### HDMI Interface for High-Bandwidth Connectivity to HDTVs and AV Receivers

With the prices of HDTVs falling to more affordable levels, the investment is becoming a more viable proposition. If you're not quite ready to take the leap, it pays to keep your options open. The High-Definition Multimedia Interface (HDMI) on the DV-CP704's rear can output uncompressed video and every other format that this player is capable of. You can pass video directly to an HDMI-enabled HDTV or pass multichannel audio to your AV receiver, including Dolby Digital and DTS signals. Since HDMI carries all channels on video and audio, there is only one cable to plug into any HDMI-enabled source and display device, which means no unsightly cable mess and a straightforward connection process.

### Vector Linear Shaping Circuitry (VLSC) for Noiseless Signal Processing

Essentially, a player's primary purpose is to read digital information and convert that information into an analog signal to feed to an amplifier or A/V receiver. Digital audio signals cannot escape pulse noise (which is particularly harmful in compressed formats). Conventional digital-to-analog conversion methods reduce digital pulse noise at the conversion stage but can't remove it completely. Onkyo's VLSC is a unique conversion circuit designed 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. This ensures that the DV-CP704's disc drive emits the cleanest possible signal from DVD video, PCM audio CDs and MP3-/WMA-encoded discs.

### Direct Digital Path for Clean Signal Transfer

Unlike other DVD players that use inexpensive PC board copper traces to transfer the digital audio signal, the DV-CP704 uses a high-purity, heavy-gauge, shielded cable to directly output digital or PCM bitstreams straight from the disc to the back panel. This way, the cable protects the audio signal against potential noise from nearby microprocessors and power supplies. So if you use the optical or coaxial digital output to send multichannel or stereo sources to your compatible receiver, you're starting off with the cleanest possible signal.

### Progressive Scan with 108 MHz/14-Bit Digital-to-Analog Processing

Progressive scan capability—the ability to produce video in complete frames with no motion artifacts, a scan-line free image, vividly clear color and incredibly sharp detail—is now commonplace among home entertainment playback components. The DV-CP704 will transmit interlaced or progressive through HDMI to match the resolution, like 720p or 1080i, of your connected display. Also, the DV-CP704's onboard 108 MHz/14-bit DAC gives you the precise video conversion needed for quality output via component, S-Video and composite video.

### 6-Disc Capability Offering a Range of Playback Options

Obviously a key advantage with a carousel player is the ability to choose and mix your DVDs and CDs for playback as you want. You can keep your latest discs in the drive and change as you please. The DV-CP704 has two modes that let you take this further: Chain Mode and Party Mode. With Chain Mode, you can play all discs (from DVD-Videos, CDs and MP3-/WMA-encoded CDs) consecutively. Alternatively, if you want to focus purely on music, you can use Party Mode, which will play all audio discs, including MP3-/WMA-encoded CDs. You can also select from among three playback functions—repeat, A-B Block Repeat, Random—for individual disc playback.

### Remote Controller Offering Straightforward Operability

With a range of discs loaded for playback, you want to be able to control everything without any fuss. The included remote controller enables easy access to the following: title, chapter and track numbers from DVDs and audio CDs; Dolby Digital and DTS formats, subtitles and foreign languages; aspect/zoom modes; resolution; and onscreen setup menus. Also, you can automatically switch to Chain mode from an individual disc by selecting the appropriate button on the remote controller.



Black model

# DV-CP704

HDMI DVD/CD/MP3 6-Disc Changer



## Audio & Video Features

- DTS Digital Out & Dolby Digital
- Plays DVD video, MP3-encoded disc, WMA-encoded disc, CD-R/RW, CD+R/RW, DVD-R/RW, DVD+R/RW, HD JPEG/JPEG-encoded disc, and PCM audio CD\*
- Exclusive 6-disc changer mechanism
- HDMI digital interface
- Vector Linear Shaping Circuitry (VLSC)
- Component, S-Video and composite video outputs
- 192 kHz/24-bit audio DAC
- 108 MHz/14-bit video DAC
- Direct Digital Path
- Progressive scan video output (with indicator)
- HD conversion (to 720p and 1080i)
- Coaxial and optical digital outputs
- Chain mode for successive disc playback
- Party mode for random disc playback
- Disc Navigator for browsing video contents and disc files
- Frame-by-frame playback
- DVD and audio CD fast forward and reverse (x2, x4, x8, x16)
- Slow motion DVD playback (1/2, 1/4 or 1/8 speed)
- Repeat playback (Chapter, title, 1 disc, all disks, track, A-B repeat, folder for MP3-/WMA-encoded CDs)

- Random playback (title, 1 disc, all disks, folder for MP3-/WMA-encoded CDs)
- Memory playback (up to 32 titles, chapters or tracks)
- Multi-camera angle
- Subtitle and language switching (with default language)
- Last play memory (DVD/CD) and resume function
- Zoom function
- Multi-aspect ratio (16:9, 4:3)
- Video black level control
- Audio dynamic range control
- Passes PLUGE signals
- 96 kHz or 48 kHz selectable digital output

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

## Other Performance Features

- Ultra-quiet loading mechanism
- Blue light for disc recognition
- Onscreen setup menus
- High-resolution onscreen display (English, French, Spanish)
- Display dimmer (4 modes)
- Supplied A/V and coaxial cables
- Full-function remote control



Full-function remote

## SPECIFICATIONS

### VIDEO SECTION

Signal System	PAL/AUTO
Composite Video Output/Impedance	1 Vp-p/75 ohms negative sync.
S-Video Output/Impedance	Y: 0.7 Vp-p/75 ohms negative sync., 4-pin mini DIN, C: 0.286 Vp-p/75 ohms
Component Video Output/Impedance	Y: 1 Vp-p/75 ohms Pe/Pr: 0.7 Vp-p/75 ohms
HDMI	19-pin connector

### AUDIO SECTION

<b>Frequency Response</b>	
DVD Linear Sound	4 Hz-44 kHz (96 kHz)
Audio CD	4 Hz-22 kHz (48 kHz)
S/N Ratio	95 dB
Audio Dynamic Range	95 dB
THD (Total Harmonic Distortion)	0.007% (1 kHz)
Wow and Flutter	Below threshold of measurability
<b>Audio Output</b>	
Optical	-22.5 dBm
<b>Audio Output/Impedance</b>	
Coaxial	0.5 Vp-p/75 ohms
Analog	2 V (rms)/540 ohms

### GENERAL

Power Supply	AC 100-240 V, 50/60 Hz
Power Consumption	13 W
Standby Power Consumption	0.35 W
Dimensions (W x H x D)	435 x 91 x 432 mm
Weight	5.5 kg

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