

## Professional DVD Players

# DN-V210 DN-V310



### Introduction

The DN-V210/DN-V310 DVD Players are equipped with the standard functions of most DVD Players and include advanced functions required by professional applications, such as High Definition Multimedia Interface (HDMI), Defeatable On-screen Icons, User-definable Wallpaper, NTSC/PAL Conversion, Auto Play and various Repeat modes. These advanced DVD players are suited for Commercial, Educational or any Public Installation that requires a DVD Player that stands up to the rigors that professional applications demand. The DN-V310 even includes a RS-232C serial port for added control flexibility.

### Key Features

- DVD, DVD±R/RW, CD, CD-R/RW, VCD Playback
- MP3, WMA, DivX Playback
- JPEG Playback, Kodak Photo CD compatible
- High Definition Multimedia Interface (HDMI)
- NTSC / PAL Conversion
- IR, RS-232 Control \*1
- Simultaneous output from all analog video outputs \*2
- Optical, Coaxial Digital Output
- Programmable DVD Playback
- Removable 2 RU rack kit

### Suggested Applications:

- Education
- Corporate A/V
- Fitness
- Retail
- Leisure
- Hospitality
- Restaurants and Bars
- High-end Hotel Rooms and Suites

### Advanced Features

#### Hide OSD

The OSD and display icons that normally appear on the screen can be switched on or off by the user for icon free video playback. This function extends the usage to Kiosk terminals and the like by removing unwanted screen displays for Video playback or still pictures.

#### Change Wallpaper

The DVD player wallpaper can be changed at the user's discretion (JPEG format). Using this function, corporate logos, school emblems or any other specific icon will appear on the screen after booting up or stopping the video during playback. Alternatively, a black screen may be selected instead of a wallpaper image.

#### NTSC/PAL Conversion

The DN-V210/V310 Professional DVD players have the ability of automatically converting PAL video content for display on NTSC displays and vice versa. This feature is extremely useful for Corporations or Educational facilities that have offices or affiliates / partners overseas.

#### Auto Play

With this function the player can start playback automatically after powering on. Each stage of set up and playback is conveniently memorized for next time usage when the power is turned off.

#### Serial Remote Control (DN-V310 only)

The DN-V310 (only) is equipped with a DB-9 serial connection for integration into systems utilizing today's third-party control systems.

#### High precision 96 kHz 24-bit D/A converter

The DN-V210/DN-V310 are equipped with a 24-bit D/A converter for faithful D/A conversion of high quality 24-bit data. This further enhances such aspects of audio performance such as the S/N ratio, dynamic range and distortion and makes full use of the possibilities of high quality sound provided by a high bitrate and high sampling frequencies.

#### Key Lock

Front panel operation (aside from the POWER button) can be disabled to prevent accidental misuse.

#### IR Remote Lock

Functionality of the IR remote control unit can also be disabled to prevent accidental operation.

#### MP3, WMA, JPEG, DivX (v. 3.11/4.12/5.1) playback

Not only are the DN-V210 and DN-V310 superb DVD players, but they are also capable of playing back MP3 and WMA audio, JPEG still images, and DivX video from CD-R/RW or DVD±R/RW media.

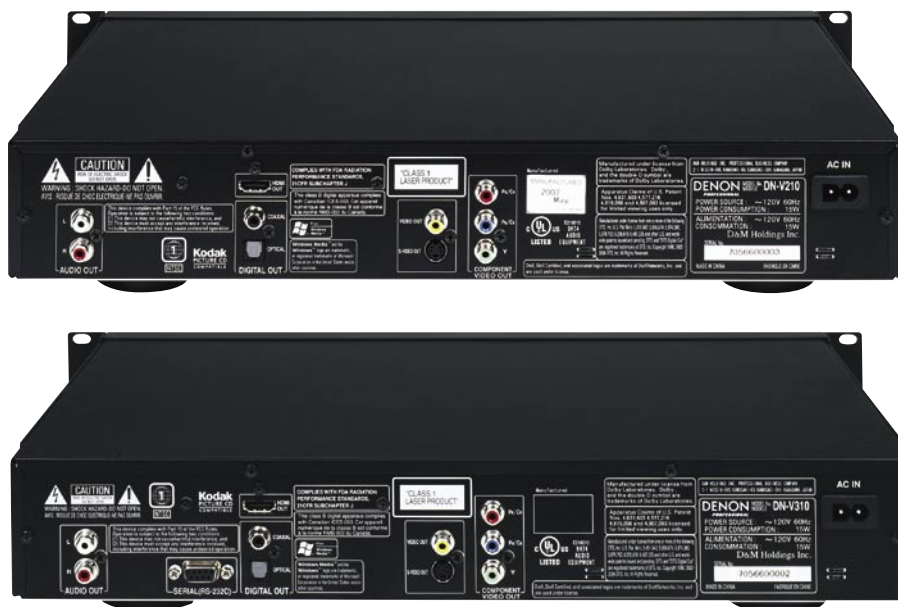
#### HDMI (v1.0) High Definition Multimedia Interface.

HDMI is the only interface that can carry both uncompressed high-definition (HD) video and uncompressed multi-channel audio in HD formats including 720p, 1080i. And all-digital, uncompressed signal translates into the highest quality video and audio, seen and heard, direct from the source.

\*1 DN-V310 Only

\*2 not in P.Scan mode

# DN-V210/V310



## In the Box:

- User's Guide
- Removable Rack Kit
- Audio Cable (RCA x 2)
- Video Cable (RCA x 1)
- Component cable (RCA x 3)
- Power Cable
- RC-963 IR Controller (w/ batteries AAA x 2)



## Specifications:

### General

#### Signal system:

NTSC/PAL

#### Applicable discs:

##### (1) DVD discs

1-layer 12 cm single-sided discs  
2-layer 12 cm single-sided discs  
2-layer 12 cm double-sided discs (1 layer per side)  
1-layer 8 cm single-sided discs  
2-layer 8 cm single-sided discs  
2-layer 8 cm double-sided discs (1 layer per side)  
(CD-DA, Video CD) 12 cm discs, 8 cm discs

##### (2) Compact discs

### Video Output

#### Video output:

Output level: 1 Vp-p (75  $\Omega$ /ohms)

#### Output connectors:

Pin-plug jack, RCA 1 set

#### S-Video output:

Y output level: 1 Vp-p (75  $\Omega$ /ohms)

C output level: 0.3 Vp-p

#### Output connector:

S connector, 1 set

#### Component output:

Y output level: 1 Vp-p (75  $\Omega$ /ohms)

PB/CB output level: 0.7 Vp-p (75  $\Omega$ /ohms)

PR/CR output level: 0.7 Vp-p (75  $\Omega$ /ohms)

Pin jack, RCA x 3 (1 set)

#### Output connector:

#### HDMI output:

480p / 576p, 720p, 1080i

### Audio Output

#### Audio output:

Output level: 2 Vrms 2 channel (FL, FR)

#### Output connector:

Pin jacks, RCA x 2 (1 set)

#### Properties:

##### (1) Frequency response

##### w/ DVDs (linear PCM):

4 Hz to 22 kHz (48 kHz sampling)

4 Hz to 44 kHz (96 kHz sampling)

##### w/ CDs:

4 Hz to 20 kHz

##### (2) S/N ratio

##### w/ DVDs:

110 dB

##### w/ CDs:

110 dB

##### (3) Total harmonic distortion

##### w/ DVDs:

0.006%

##### w/ CDs:

0.004%

##### (4) Dynamic range

##### w/ DVDs:

100 dB

##### w/ CDs:

95 dB

### Digital audio output:

#### Optical digital output:

Optical connector, 1 set

#### Coaxial digital output:

Pin Jack, 1 set

### Power Information

#### Power supply:

AC 120 V, 60 Hz (USA)

#### Power consumption:

19 W

### Size

#### Dimensions:

434 (width)  $\times$  80 (height)  $\times$  360 (depth) mm  
(17-3/32"  $\times$  3-5/32"  $\times$  14-11/64")  
(including protruding parts)

#### Mass:

3.9 kg (9 lbs)

### Remote Control

#### Remote control unit:

RC-963

#### Type:

Infrared pulse

#### Power supply:

DC 3 V, 2 R03/AAA batteries

D&M Professional  
1100 Maplewood Drive Itasca, Illinois 60143  
Tel: 630.741.0330 Fax: 630.741.0652  
www.d-mpro.com

PLEASE NOTE: Specifications are based on measurement conditions and proper care for the machine, and are subject to change without notice.

© 2007 D&M Professional. All rights reserved.

**DENON**  
PROFESSIONAL

**marantz**  
PROFESSIONAL

1 2 3 4 5 6 7 8 9  
min | max  
LEVEL