



Features

- Plays DVD-V, DVD-A, DVD+R, DVD-R, VCD, SVCD, SACD, CD, CD-R, CD-RW
- HDMI Output for HD video and audio
- Faroudja DCDi circuit for 480i (DVD standard) video up-conversion to 420p, 720p or 1080i
- Component Video Output with Progressive Scan option
- S-Video and Composite Video Output
- 12 bit 216MHz video DAC from Analog Devices
- 10 bit 27MHz video DAC from Cirrus Logic
- Coax and TosLink optical digital audio outputs
- Bass Management for DVD-A and SACD
- Separate 2 channel and 5.1 channel analog outputs
- Dolby Digital and DTS decoding
- HDCD, MP3, and WMA decoding
- 24 bit 192kHz DACs
- RS-232 port
- IR Input
- 12V Trigger Input
- Detachable AC cord
- DVD 6 Remote Control

Details

Universal Playback

With the proliferation of different optical disc formats, most people want just one player that will play them all. The T585 is capable of playing most all the popular entertainment oriented optical disc format, including the high resolution DVD-Audio and SACD music formats. MP3 and WMA compressed formats are also decoded, offering surprisingly good sound quality when recorded at higher available bit rates. Your existing CD collection is also in for a major sonic upgrade when played back through the advanced electronics of the T585.

DVD-Video can be watched in normal interlaced mode, or in progressive scan mode, providing your TV monitor supports this type of signal. If you have a high definition (HDTV) monitor equipped with HDMI inputs that support HDCP encryption, you can also take advantage of the Faroudja DCDi chip that will 'upconvert' standard DVD (480 lines) to the HD formats of 720p or 1080i. These upconverted formats are also available on the Analog Component Video output.

DVD-Audio and SACD decoding take place on board with comprehensive bass management available for decoded signals. DVD-Audio uses high resolution 24 bit PCM signals and MLP 'lossless' compression to advance audio performance to unprecedented levels. SACD (super audio compact disc) is a different approach to high definition audio using the DSD (direct stream digital) technique to obtain a very realistic sonic presentation. Both techniques have their adherents, but thankfully, with the T585, you don't have to take sides in the discussion about which format is better – you have both formats covered!

Advanced Features

The T585 includes the High Definition Digital Interface (HDMI) with HDCP encryption, allowing high definition audio and video signals to be transferred between source components, processors, and TV Displays in a pure digital format. This eliminates the distortion producing conversions between digital and analog by keeping the signal in the digital domain. Before the advent of HDMI, it was mandated that high definition audio and video signals could only be transferred using an analog format.

Naturally, the T585 supports all the popular DVD-Video features, such as fast and slow scan, multi-language, multi-angle, A-B repeat, and last scene bookmarking. The ergonomically designed remote handset puts all these features right under your thumb for easy and convenient operation. Easy integration with advanced control systems, such as AMX and Crestron, is made possible using the rear panel IR input, 12V trigger input, and RS-232 port.

Audio Performance

Unlike many Universal Players that convert SACD's DSD format into CD's PCM format, thus defeating the sonic advantage of DSD, separate signal paths for the DVD and SACD audio maintain the highest possible

levels of DVD, CD and SACD sound quality. Digital audio outputs are available in both coaxial, and optical (TosLink) SPDIF formats, as well as 1/2 S digital format via the HDMI output. DVD-Audio uses the Dolby licensed MLP lossless compression to produce PCM formatted high resolution signals with 24 bits and up to 192kHz sample rates. MLP perfectly shrinks the very high data rates of DVD-Audio – up to 13.8 Mbps – to the DVD limit of 9.6 Mbps without losing any data. This compares with data rates of approximately 1.5 Mbps for CD, and as little as 0.03 Mbps for MP3 encoded audio.

Dolby Digital and Dolby ProLogic decoding is also included, as is support for MP3 and Windows Media Audio. The NAD T585 uses audiophile quality 24-bit, 192-kHz audio D/A converters. These devices are well protected from noise caused by even minute fluctuations in current from the power supply. The level of quantization noise within the frequency range is uniform for all frequencies and very well suppressed. This D/A converter ensures that all the sound you hear is as clear and noise-free as possible. High speed FET output devices keep all the detail present in high resolution SACD and DVD-Audio formats, perfectly intact.

Digital Bass Management is available for all surround sound formats. This prevents bass frequencies from overloading and distorting your speakers by 'redirecting' them to your subwoofer which is specially designed to handle the lowest octaves. When playing DVD-Video, DVD-Audio or Super Audio CD sources, it is possible to preset speaker configurations. The crossover point is selectable with 12 dB high and 24 dB low pass filter slopes.

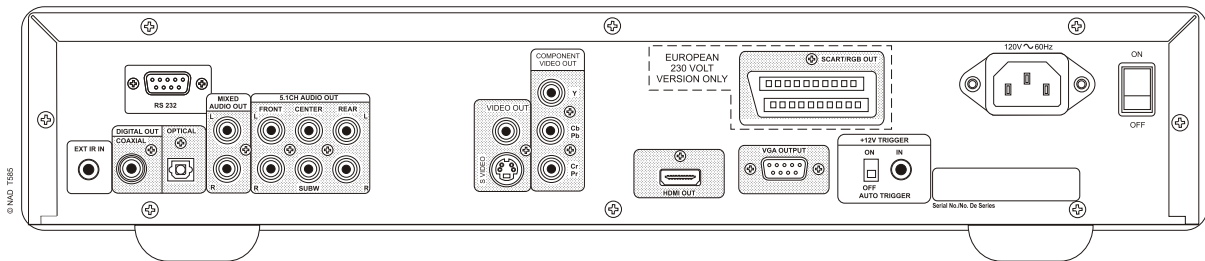
The NAD T585 is also equipped with SRS's True Surround circuit, a high-grade surround virtualizer that lets you enjoy the excitement of 5-channel audio when only using 2 speakers.

Video Performance

The T585 features a Dual Discrete Video Circuit (D.D.V.C.) for the highest possible picture quality via the Component Video output. An extremely high-speed video D/A converter is a very critical component in generating superior quality video playback from DVD. The NAD T585, therefore, uses the high quality Analog Devices 12-bit, 216-MHz video DAC and a second 10-bit, 27MHz DAC from Cirrus Logic to ensure highly accurate playback of delicate, low-level video signals. This produces a vivid picture that is faithful in every detail. Over sampling of 4x is achieved for Progressive and 8x for interlaced video signals, allowing more detailed D/A conversion. Higher quality picture reproduction is also possible thanks to a filter with flexible 'shutout characteristics' that is used for the analog filter in the latter stage. Furthermore, the NAD T585 uses two separate video D/A converters to process Progressive and Interlaced signals. This eliminates mutual interference between the Progressive and Interlaced signals and allows both an Standard Definition and a High Definition picture to be output simultaneously – a great feature for sending video to a second viewing zone.

Progressive Scan features the DCDi processor by Faroudja. Progressive Scan technology represents a vast improvement over the interlaced scanning method used in normal TV broadcasts and other conventional applications, as it can process around twice as much video data to produce a sharper, noise-free picture with finer details. Video images are faithfully displayed with optimum naturalness and beauty.

A wealth of picture quality adjustment functions, including Contrast, Brightness, Hue, Sharpness, Black Level and Gamma, can all be adjusted using the intuitive On Screen Display.



SPECIFICATIONS

Audio

Frequency Response CD Audio	4Hz to 20kHz
Frequency Response DVD (96kHz)	4Hz to 44kHz
Output Level	2V rms
Signal/noise ratio, A-weighted	109dB
THD (at 0dB, 1kHz)	0.006%
Wow and Flutter	Quartz Accuracy
Dynamic range	120dB
Number of discs	1

DVD Video

Signal to Noise	60dB
Signal System	PAL/NTSC

Output

Digital Coaxial - PCM, DTS, MPEG, AC3	0.5 p-p 75Ω, RCA x 1
Digital Optical - PCM, DTS, MPEG, AC3	3V p-p 75Ω
Composite Video	1v p-p 75Ω 1 x RCA
S-Video	Y/C 4 pin x 1
Component Video	RCA x 3 Y/Cb/Cr
HDMI	YES

Remote Control

NAD DVD-6

Physical Specifications

Dimensions (W x H x D)	17 x 4 x 11 7/8" (429 x 100 x 300mm)
Net Weight	18.7lbs (8.5kg)
Shipping Weight	20lbs (9.5kg)

