

DVD-Player - PULSAR DVD 1235 R



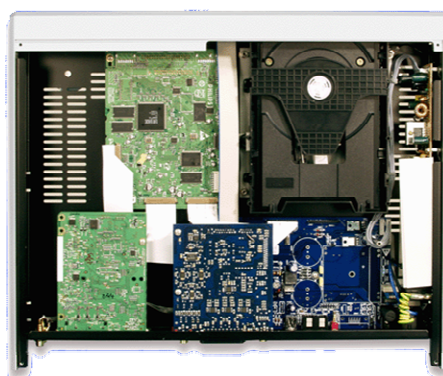
The primary role of the **DVD 1235 R** is as a first-class DVD player with an exceptional video section, but it is also capable of producing high-quality two-channel audio from CD, SACD and DVD-V. Each music format has its own dedicated signal processing section with the optimum pulse rates and jitter reduction for each format. The latest high-speed video op-amps from Elantec, with their bandwidth of 150 MHz, ensure superb picture quality from the Component (YUV), Scart, S-Video and Video outputs which are fitted as standard. Jitter-free digital outputs (optical + co-ax) are available for DVD (AC3 and DTS), which also deliver SP/DIF signals when

Connection elements

- Stereo High-End analogue output.
- Component-output
- or Progressive-Scan-board or SDI-board
- as an option.
- AV OUT
- High-End video board
- Scart, S-Video, Video,
- Stereo, digital.
- R-Link system remote control and address switching.

Architecture

- Central signal board for star-form control of all circuit boards and outputs.
- High-End video board with Scart, S-Video, Video- and Stereo-D/A-converters.
- High-quality Component output. Alternatively replaceable through P-Scan or SDI board.
- High performance mains power supply with vast current delivery capacity.
- New multi-format mechanism with de-coupling and shielding.
- High integrated decoder board of the latest generation for CD, SACD and DVD-V.



Mechanism and Decoder

The mechanism of the latest generation is a sophisticated crystal-controlled unit with accurate twin-laser systems optimised for the CD, SACD and DVD formats, with an enormously reliable sampling performance.

To protect the mechanism from adverse external influences, the machine features integral measures for mechanical vibration de-coupling and shielding.

The decoder is fitted with the latest generation of extremely powerful processors for the various formats; and the already good error correction again shows an improvement. One crucial factor in the outstanding performance of the machine as a whole is the ingenious

and carefully considered overall design and lay-out of the individual sub-assemblies. In particular, the signal paths are extremely short, which virtually eradicates interference effects and conductor losses.

The mains power supply system is of very generous dimensions and well able to cope with the highest loads, ensuring that optimum power is available to the laser and motor units at all times. The individual sub-assemblies and circuit boards are fitted with additional stabilisation measures.

P-Scan Modul (as an option)

Upon request the DVD 1235 R can be fitted with an excellent Progressive Scan board for PAL and NTSC.

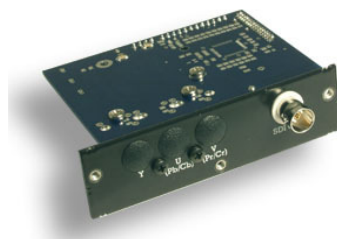
The board features the latest Faroudja video processor with DCDi technology, which converts the DVD's interlaced half-screen images into full-screen images.



An upgrade to progressive scan is highly recommended to owners of projectors and large-screen monitors, as it eradicates the very disturbing line flicker. The advanced Faroudja technology also eliminates the usual artefacts.

SDI Modul (as an option)

An SDI board is available as a further option. The Serial Digital Interface is a machine interface exploiting professional studio technology, designed for transparently transferring digital video signals without format conversion. This simply means that digital DVD data can be fed directly to any appropriately equipped projector, guaranteeing the highest possible quality.



Specifications

Formats

<i>Video</i>	DVD, DVD+R / +RW, DVD-R / -RW, VCD, SVCD
<i>Audio</i>	CD, CD-R / RW, MP3-CD, SACD-Stereo, SACD MCH als 2-Kanal Downmix
<i>Picture</i>	Picture CD (JPEG), Musik MP3

Audio

<i>Audio outputs (analogue)</i>	Stereo (TV 2-Channel down mix)	
<i>Audio outputs (digital)</i>	1 x co-axial, 1 optical	
	IEC 60958 (CDDA / LPCM)	
	IEC 61937 (MPEG1/2, Dolby Digital, dts) (1,2)	
<i>D/A - Converter</i>	24-bit, 384 kHz, 8-times Oversampling	
<i>Frequency response</i>	CD	2 Hz - 20 kHz
	SACD normal	2 Hz - 60 kHz
	DVD - V	2 Hz - 22 kHz
	DVD 96 / 24	2 Hz - 44 kHz
Total harmonic distortion	< 0.002 %	
<i>eff. system dynamic range</i>	CD	96 dB

	SACD	105 dB
	DVD - V	100 dB
	DVD 96 / 24	105 dB
<i>Signal / Noise (A-weighted)</i>	109 dB	
<i>Channel separation</i>	100 dB	

Video

<i>D/A conversion</i>	10-Bit / 54 MHz
<i>Bandwith</i>	Luma 12,5 MHz Cr 6 MHz
<i>Progressive Scan (optional)</i>	576 P, 480 P (Component), 12 Bit, 216 MHz
<i>SDI (optional)</i>	SMPTE 259 M-C (270 Mbps)

General

<i>Dimensions (H x W x D)</i>	7,5 x 44 x 39 cm
<i>Remote control</i>	via R-System
<i>available finishes</i>	black (RAL 9005) Silver Aluminium Chrome * as special order

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2) "DTS" is a registered trademark of Digital Theater Systems, Inc.

We reserve the right to alter technical specifications.