

## **DVD-Player - PULSAR DVD 1235 R HD** **incl. HDMI + PROGRESSIVE SCAN**



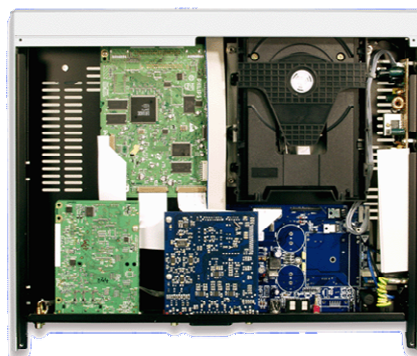
The primary role of the **DVD 1235 R** is as a first-class DVD player with an exceptional video section, but it is also capable of producing high-quality two-channel audio from CD, SACD and DVD-V. Each music format has its own dedicated signal processing section with the optimum pulse rates and jitter 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
- Progressive-Scan and HDMI
- 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. Progressive scan and HDMI
- 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.

## 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>Bandwidth</i>	Luma	12,5 MHz Cr 6 MHz
<i>HDMI - output</i>	HDMI with HDCP as RGB 4:4:4 or YcbCr as 4:4:4 with each 8 bits	
	Progressive-PAL 720 x 576 or Progressive-NTSC 720 x 480 depending on input signal	
	HDTV 720p	
	HDTV 1080i	
<i>HDMI-Audio</i>	Supports IEC 60958 2-channel PCM or IEC61937 compressed audio (dolby Digital, DTS,etc.) *1, *2)	
<i>Component-output</i>	Analog Output with 3 RCA-Jacks (cinch) for YpbPr with 4:2:2 or 4:4:4	
	Analog progressive 576/480 signal with 4x oversampling (108 MHz)	
	(All analog signals are 10 bit with resolution!)	

### General

<i>Dimensions (H x W x D)</i>	7,5 x 44 x 39 cm
Remote control	via R-System

available finishes   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.*