

## **DVD Player - PULSAR DVD 1240 R HD**



T+A is introducing four new disc players covering the most important music and video formats. They are based on the converter technology of the preceding series, which provides superior sound quality, but now feature high-end loaders, mechanisms and decoders which are completely new developments. These innovations have brought a significant improvement in mechanical quality as well as enhanced disc reading and playback characteristics. The disc mechanism is equipped with absolutely top-quality components: heavy-duty motors from Mabuchi, a sub-chassis with excellent damping, steel pushrods, aluminium / ABS laminate disc drawer and metal encapsulation. The disc mechanism is suspended in a solid, special coated anti-resonance housing with a three-point mounting. The net result is that all four models feature the latest and most compact disc mechanism / loader design available on the world market.

The T+A philosophy of audio playback is unique: each music format has its own independent signal processing section with clock resynchronisation for jitter reduction and accurately D/A converter timing, i.e. CD and stereo signals are processed in exactly the same way as in our high-end CD players, and are reproduced to the highest standards of quality via separate stereo outputs.

### **Characteristics**

#### **Pure video, pure audio**

The **DVD 1240 R HD** is a first-class DVD player with an excellent video section, but which is also capable of reproducing high-quality two-channel audio from CD, SACD and DVD-V. Its outstanding performance is due to two superb sections: the professional analogue and digital picture processing unit, and the high-quality audio conversion and signal processing section. This means that it is just as much at home working in conjunction with our **R 1230 R** receiver or an integrated amplifier in a high-quality stereo system as it is in a large home cinema system working with the **SR 1535 R**.

#### **High-quality AUDIO design**

The T+A philosophy of audio playback is unique: each music format has its own independent processing section with optimized processing algorithms, i.e. CD, SACD and DVD signals are reproduced to the highest standards of quality via separate stereo outputs. A jitter-free digital output is available for all audio formats.

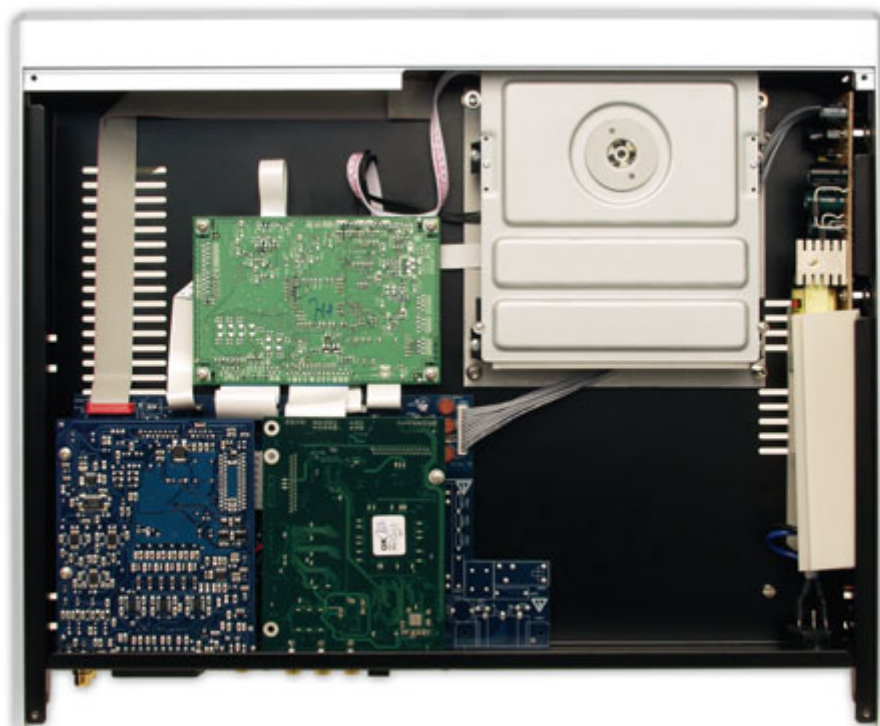
#### **Video signal processing**

Although digital HDMI video outputs are steadily gaining in importance, it is still essential to generate really high-quality analogue video outputs, as these can offer superb picture

quality in conjunction with a first-class monitor. For this reason our engineers have developed a professional video board incorporating the superior 12-bit / 216 MHz video DAC from ANALOG DEVICES. Ultra-fast video OP-amps from Elantec with a bandwidth of 150 MHz are employed for the Scart (RGB), S-Video and video outputs, ensuring fantastic picture quality.

The HDMI output board is fitted with a programmable video processor which exploits the latest algorithms in order to supply progressive scan signals; it is capable of increasing picture resolution to 720p or 1080i. These features make the machine the ideal picture source for monitors and projectors with an HDMI input, or - ideally - for the new T+A **VSP 1250 R video processor / scaler!**

### ***Design a. Connections***



- Advance technology integral decoder board for CD, SACD and DVD-V.
- New High-End-mechanism with metal loader, steel pushrods, metal shielding and decoupling.
- Prof-Videoboard with broad-band (150 MHz) OP-amps ensure superb picture quality at the analogue out.
- High-End-HDMI output/scaler-board up to 1080i.
- Signal board with radial network and overall signal distribution.
- High performance mains power supplies with vast current delivery.



- Stereo-High-End analogue output.
- AV OUT: Scart (RGB), S-Video, Video, Digital Out.
- R-Link System remote control, RS 232 control and update interface, adress selection
- HDMI- and YUV- output with Scaling selection

### ***Specifications***

#### **Formats**

<i>Audio</i>	CD, CD-R / CD-RW, MP3-CD SACD-Stereo + Multi Channel
<i>Video</i>	DVD, DVD+R / +RW, DVD-R / -RW VCD, SVCD
<i>Picture</i>	Picture CD (JPEG)

### Video Section

<i>HD-Outputs</i>	480p / 576p, 720p, 1080i
<i>SD-Outputs</i>	480i / 576i
<i>Video D/A-Converter</i>	12-Bit / 216 MHz
<i>Bandwith</i>	12.5 MHz (Luma), 6 MHz (Chroma)

### Audio Section

<i>Audio-outputs (analogue)</i>	1 x Stereo 2,5Veff / 270 Ohm
<i>Audio-outputs (digital)</i>	1 x coax 1 x optical IEC 60958 (CDDA / LPCM) IEC 61937 (MPEG 1/2, Dolby Digital, dts)
<i>D /A Converter</i>	24-Bit, 384 kHz Sigma/Delta

### Frequency response / eff. system dynamics

<i>CD</i>	2 Hz - 20 kHz / 96 dB
<i>SACD</i>	2 Hz - 44 kHz / 105 dB
<i>DVD-V</i>	2 Hz - 22 kHz / 100 dB
<i>DVD 96/24</i>	2 Hz - 44 kHz / 105 dB
<i>Total harmonic distortion</i>	< 0,002 %
<i>Signal / Noise</i>	110 dB
<i>Channel separation</i>	100 dB

### General

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

*we reserve the rights to alter technical specifications*