

Владимир Петров

Устройство и ремонт DVD-проигрывателей ROLSEN 700-й серии (часть 1)

Компания ROLSEN уже давно известна россиянам по производству. В широком ассортименте продукция этой компании есть и DVD-проигрыватели. В предлагаемой статье рассмотрим, как устроены и обслуживаются, принцип работы и ремонт DVD-проигрывателей ROLSEN RDV-700/710/740.

Общие положения

Данные DVD-проигрыватели поддерживают следующие форматы: DVD, SVCD, VCD, CD, MP3, JPEG CD, Kodak Picture CD, MPEG-4, DVX (модели RDV-700/710 и RDV-740), DVD-MPEG-4, DVX (модели RDV-700/710 и RDV-740), DVD-MPEG-4, DVX (модели RDV-700/710 и RDV-740), DVD-MPEG-4, DVX (модели RDV-700/710 и RDV-740), DVD-MPEG-4, DVX (модели RDV-700/710 и RDV-740).

- комбинированный видеосигнал (Y/C) на выходе L/Y;
- комбинированный сигнал (Y, Pb, Pr) на выходе Y/Pb/Pr;
- S-Video (раздельные сигналы Y и C).

В проигрывателе имеется функция PANSCAN — управление изображением при воспроизведении видеоформата 4:3 на широкоформатном экране.

Обработка звука в форматах MPEG-1, 2 и MP3, ведется с частотой выборки до 56 кГц (RDV-700/710) и 192 кГц (RDV-740).

Второй язык SDDS предоставляется в формате DTS и выводится через оптический и коаксиальный выходы, а аналоговый 5-канальный звуковой декодирование — в формате Dolby 5.1 (AC-3). Кроме того, имеется функция, позволяющая выводить звук с декодированными каналами стереосигнала, так и вывод через разъемы RCA и SCAST. Через разъем SCAST выводится также видеосигнал: HDTV с линией кинематографическим форматом Y/Pb/Pr (усиленный канал прозрачным).

После загрузки, проигрыватель предназначен для воспроизведения дисков 5-й зоны (Россия).

Конструкция

Для DVD-проигрывателей 700-й серии базовой моделью является RDV-740, поэтому описание этой модели будет применительно к ней.

DV-проигрыватель выполнен в классическом корпусе, верхняя крышка которого снимается при помощи отвертки. Электронная часть состоит из трех плат: платы базовых элементов (B1), платы MPEG-декодирования (D1), платы управления и индикации дисков (YVD). Блок-схема проигрывателя приведена на рис. 1.

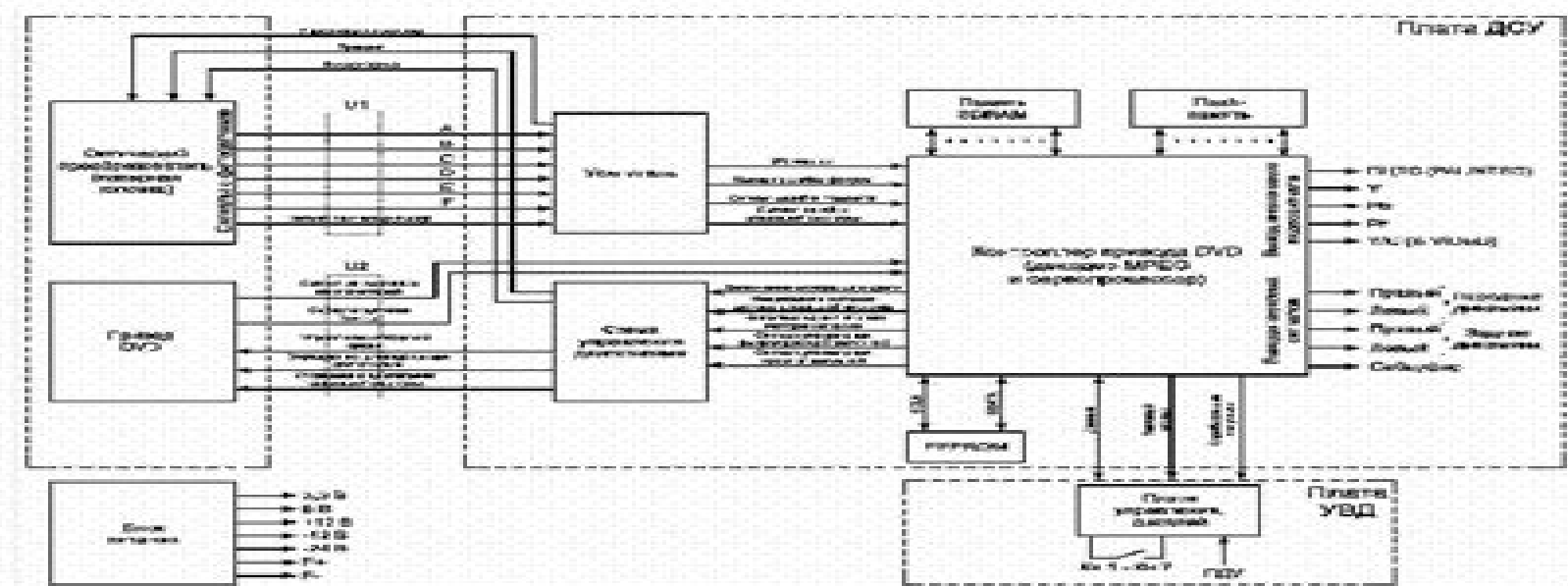


Рис. 1. Блок-схема DVD-проигрывателей 700-й серии

Rolsen Rpd Service Manual

Michael Seilmaier

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