

FAROUDJA

HD Digital Video Processor **DVP1510**



The new DVP1510 processor maximizes the benefits of digital video and audio from DVDs by incorporating a DVD drive within a full featured Faroudja video processor. The digital video is sent directly to the internal patented processing stages where the signal is deinterlaced, optimized and scaled up to the display's native resolution without leaving the digital domain. Additional circuits improve edge detail and color fidelity.

This optimized signal is then sent to the display via a pixel accurate DVI (Digital Video Interface) output for a stunning video image.

A full set of external video inputs allow all your standard and high definition video sources to be digitized and scaled to the native resolution and sent via the DVI output. This includes satellite, cable, video games, camcorders and VHS.

The audio performance from the DVP1510 will impress the most demanding audiophile. Faroudja has applied a proprietary audio stage optimized for both audio for video and audio CD use for an audio performance rivaling the most expensive CD-only transports.

Faroudja is the reference of excellence for video. Three Emmys, over 60 video patents and the new DVP1510 processor are all results of the over 34 years of a no-compromise approach to video quality.



FAROUDJA
PICTURE PLUS™



Emmy Winning Technology

CELEBRATING
34 YEARS
OF VIDEO EXCELLENCE

www.faroudja.com

By combining superior video and audio engineering with a long list of features, the DVP1510 processor is truly the center of any high quality digital theater system.

Feature List:

- **Internal DVD drive** allowing for direct access to the digital video
- **Adjustable scan rate output**
- **HDTV Cross-Conversion** Convert 1080i to native resolution
- **HDCP Compatible**
- **HD Transcoding** YPrPb to RGBHV
- **DVI and RGBHV/YPrPb Output** from internal DVD and analog sources scaled to the native resolution of the display
- **Separate inputs for analog** interlaced NTSC/PAL video sources (composite, S-video, YPrPb, RGB, Pass-Through)
- **Three digital audio outputs:**
AES/EBU, Coaxial (BNC & RCA)
- **Audio timing is reclocked and aligned** for correct audio-for-video synchronization
- **Independent audio and video circuits with Integral RF suppression** to reduce interaction between the different circuits
- **Separate extremely low jitter** crystal oscillators for DVD and CD audio frequencies
- **Isolated display and motor controllers** with six highly filtered and regulated power supplies
- **Patented 3/2 Pull-down** with advanced **edit detection** for error free deinterlacing of film originated sources
- **Patented DCDi™** (Directional Correlational Deinterlacing) for error free deinterlacing of video sources
- **Patented True Life™ Bandwidth Expansion** for dramatic improvement in image detail
- **Aspect ratio control** for proper image sizing on all screen types
- **Image positioning controls** for installation flexibility
- **Test pattern generator** to assist with system setup
- **Direct Infrared commands** for improved interface with control systems
- **RS232 control**
- **Compatible with DVD, CD, CD-R, CD-RW, VCD, MP3 and 96KHz sampling, Dolby Digital and DTS audio**

Specifications:

Supported Resolutions	
800x600	1920x540
1024x768	1280x720
1366x768	1280x768
1280x1024	ALIS (1024x768)
1440x960	DILA
1440x1050	1920x1080
Inputs	
Format	NTSC/PAL
Composite(BNC)	1v pp
S-Video (4-pin DIN)	Y – 1v pp, C – 286mv pp
Component (BNC) 480i/480p/720p/1080i	Y – 1v pp(SMPTE) Cr – 700mv pp Cb – 700mv pp
RGB (BNC) 480i/480p/720p/1080i	Comp. Sync – 1v pp RGB – 700mv pp
HD/PC Pass-Thru	D15M
DVI Input	DVI – I (female) Digital Only
Outputs (Progressive)	
RGB (BNC & D15F) H&V Sync	700mv pp, TTL Sync 2.5v pp@75ohm min.
YPrPb (BNC & D15F)	700mv pp, Sync on Y-1v pp
RGsB (BNC & D15F)	Gs – 1v pp, RGB – 700mv pp
Digital Video Interface	DVI – I(female) digital only
Digital Audio Connections	RCA, BNC, AES/EBU
Dimensions (with feet and connectors)	
Weight	19.5lbs
Power Consumption	30.5wts/115VAC/60Hz 42.5wts/230VAC/50Hz
Power Supply	100 – 240VAC 50/60Hz Auto Ranging

Specifications and features subject to change without notice.



Please visit our website at www.faroudja.com

180 Baytech Drive, Suite 110 • San Jose • CA 95134 • Phone: (408) 635-4200

Fax: (408) 957-0364 • Email: sales@faroudja.com

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