

# FAROUDJA

## DVP2000/Digital Cinema Source Native Rate Series Digital Video Processor



Digital Video from source to display is finally possible. By combining superior video and audio engineering with a long list of features, the DVP2000 processor is truly the center of any high quality digital theater system.

The new DVP2000 processor maximizes the benefits of digital video and audio from DVDs by incorporating a DVD drive within a full featured adjustable scan rate video processor, with resolutions for both digital and analog displays in an easy to program setup. Added features include a new video noise reduction circuit and scan rate cross-conversion.

The digital video is sent directly to the internal patented digital 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 analog video inputs are also included so all your standard video sources can be digitized and scaled to the native resolution and sent via the DVI output.

The audio performance from the DCS will impress the most demanding audiophile with a proprietary audio stage optimized for both audio for video and audio CD use. Low jitter crystal oscillators, multiple power supplies, and AES/EBU digital connectors all combine 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 DVP2000 processor are all results of the over 33 years of a no-compromise approach to video quality.



FAROUDJA  
PICTURE PLUS™

CELEBRATING  
**33** YEARS  
OF VIDEO EXCELLENCE



# Digital Cinema Source / DVP2000 SPECIFICATIONS

The DVP2000 processor incorporates powerful technologies to maximize both video and audio performance.

## Feature List:

- Installer selectable multi-scan processor
- Internal DVD drive allowing for direct access to the digital video
- Temporal and Recursive 3D video noise reduction
- HDTV RGB to DVI conversion
- DVI and RGBHV/YPrPb Output
- Separate inputs for analog interlaced NTSC/PAL video sources (composite, S-video, YPrPb, RGB, Pass-Through)
- Optimized for digital displays
- Three digital audio outputs: AES/EBU, Coaxial (BNC & RCA)
- DVI Pass-Through and processing
- HDTV pass-through for installation flexibility.
- Audio timing is relocked and aligned for correct audio-for-video synchronization
- Independent audio and video circuits
- Separate extremely low jitter crystal oscillators
- Isolated display and motor controllers with six highly filtered and regulated power supplies
- Patented 3/2 Pull-down with advanced edit detection
- Patented DCDi™ (Directional Correlational Deinterlacing) for error free deinterlacing
- Patented True Life™ Bandwidth Expansion for dramatic improvement in image detail
- Aspect ratio control for proper image sizing
- Image positioning controls for installation flexibility
- HD Transcoding YPrPb to RGBHV
- Test pattern generator to assist with system setup
- Direct Infrared commands
- Infrared teaching function for learning remotes

- RS232 control
- Compatible with DVD, CD, CD-R, CD-RW, VCD, MP3 and 96KHz sampling, Dolby Digital and DTS audio

## Specifications:

Selectable Resolutions	
852x480*	1920x540p*
800x600	1280x720
1024x768	1280x768
1366x768	ALIS
1280x1024	1360x1024
960p*	1920x1080p*
*Rate not available via DVI	
<b>Inputs (Interlaced)</b>	
Format NTSC/PAL	Auto Detect
Composite(BNC)	1v pp
S-Video (4-pin DIN)	Y – 1v pp, C – 286mv pp
Component (BNC) Interlaced	Y – 1v pp(SMPTE) Cr – 700mv pp Cb – 700mv pp
RGB (BNC) interlaced	Comp. Sync – 1v pp RGB – 700mv pp
HD/PC Pass-Thru	D15M
DVI Input	DVI – I (female) Digital Only
<b>Outputs (Progressive)</b>	
RGBHV	700mv pp, TTL Sync
H&V Sync	2.5v pp@75ohm min.
YPrPb	700mv pp, Sync on Y-1v pp
RGsB	Gs – 1v pp, RGB – 700mv pp
Digital Video Interface	DVI – I(female) digital only
Digital Audio Connections	RCA, BNC, AES/EBU
<b>Dimensions (with feet and connectors)</b>	
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.



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