

FAROUDJA

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 Digital Cinema Source (NRS-DCS) processor is truly the center of any high quality digital theater system.

The new NRS-DCS 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 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.

This includes satellite, cable, video games, camcorders and VHS.

The audio performance from the DCS will impress the most demanding audiophile. Faroudja has applied a proprietary audio stage optimized for both audio for video and audio CD use. Low jitter crystal oscillators, multiple power supplies, RF suppression filters, special shielding 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 Digital Cinema Source processor are all results of the over 30 years of a no-compromise approach to video quality.



Emmy Winning Technology

Digital Cinema Source

Native Rate Series

Digital Video Processor

The Digital Cinema Source processor incorporates powerful technologies to maximize both video and audio performance.

Feature List:

- **Internal DVD drive** allowing for direct access to the digital video
- **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)
- **Optimized for digital displays**
- **Three digital audio outputs:** AES/EBU, Coaxial (BNC & RCA)
- **DVI Pass-Through** for installation flexibility
- **HDTV pass-through** for installation flexibility.
- **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 originated sources (such as sporting events)
- **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
- **HD Transcoding** YPrPb to RGBHV
- **Test pattern generator** to assist with system setup
- **Direct Infrared commands** for improved interface with control systems
- **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:

Supported Resolutions	
852x480*	1920x540p*
800x600	1280x720
1024x768	1280x768
1366x768	ALIS
	1360x1024
*Rate not available via DVI	
Inputs (Interlaced)	
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 (for pass-through only to DVI out)	DVI – I (female) Digital Only
Outputs (Progressive)	
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
Dimensions (with feet and connectors)	13.5DX17.25WX5.75H
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.



DCDi™
by FAROUDJA

CELEBRATING
30 YEARS
OF VIDEO EXCELLENCE


FAROUDJA
PICTURE PLUS™
A Division of Genesis

Please visit our website at www.faroudja.com

750 Palomar Avenue • Sunnyvale • CA 94085 • Phone: (408)735-1492
Fax: (408)735-1571 • Email: sales@faroudja.com