

# FAROUDJA

## HD Digital Video Processor **DVP1080**



The DVP1080 HD Digital Video Processor offers a new design for superior high bandwidth High Definition processing to optimize the new 1920x1080p digital displays by converting 1080i interlaced HD video to a clean 1080p progressive format.

For 34 years Faroudja has been the leader in video processing technology. Faroudja was the first to offer 1080p HD video processing in 2000 for 9" CRT projectors. This expertise is now critical for the next generation digital displays.

Full HD cross conversion and standard definition processing using patented technology for deinterlacing, motion tracking, color fidelity and image detail makes the DVP1080 the central component of any high performance theater. All types of displays benefit from this processing including plasma, DLP, LCD, DILA and CRT devices.

Get the most out of your digital display investment with the DVP1080.



CELEBRATING  
**34 YEARS**  
OF VIDEO EXCELLENCE

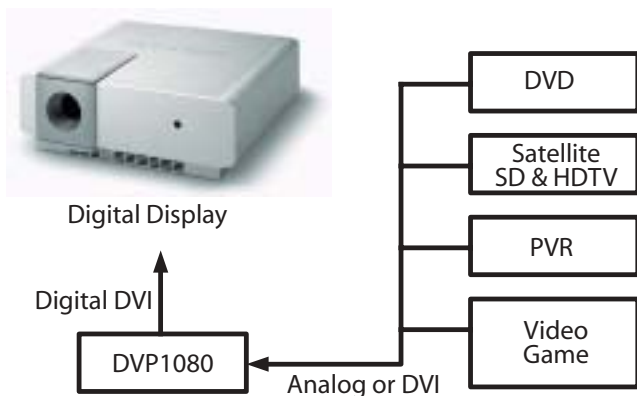
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# DVP1080 - HD Digital Video Processor **KEY FEATURES**

## The Digital Connection

Digital projectors and plasmas offer the highest image quality when the DVI input is used. By eliminating the analog and digital conversion in the display, the image has higher detail and less digital artifacts. The DVP1080 expands on this concept for High Definition signals by adding a new HD processing circuit for improved performance.



## High Definition Processing

1080i High Definition signals are converted to the selected output rate using Faroudja's patented 3:2 Pull-Down and MADI (Motion Adaptive) Deinterlacing technology. In addition, a high bandwidth HD video processing circuit offers superior 1080i to 1080p conversion.

## Adjustable Optimized Output

The DVP1080 offers output resolutions that can be selected or changed as needed. Different scan rates can be stored for multiple display installations. Each stored scan rate profile recalls 30 different parameters to insure the output is properly optimized for that resolution. As a result, the DVP1080 will produce the highest quality image with any display and any video source.

## Processing

Faroudja applies its 60 patents and 34 years of experience perfecting video to design the DVP1080 to provide very high quality images for all displays. Technology for color, detail and motion processing combine to produce an image that could never be produced by just using the video circuitry built in to a digital display.

Other features include include:

- TrueLife® 12 Step Detail Processing
- Motion Adaptive Deinterlacing with patented DCDi® by Faroudja and 3:2 pull-down technology
- Digital DVI and analog RGBHV/YPrPb Inputs/Outputs
- HDCP Compatible
- Auto-detection of HD, PC or 480i
- 10-bit processing and improved signal-to-noise ratio
- Temperature and firmware monitoring circuit
- Aspect ratio control and image shift adjustments
- Internal test pattern generator
- HDTV/computer pass-through
- Compact Single rack space size
- Infrared and RS232 control

Selectable Resolutions:	
800x600	1280x720
1024x768	1366x768
1280x1024	DILA
1400x1050	1920x540
1920x1080	1440x960
1280x768	1400x788

Inputs:	
Video	S-Video
RGB	YPrPb
HDTV/PC (D15F)	DVI

Outputs:	
RGBHV (BNC & D15F)	YPrPb (BNC & D15F)
DVI (F)	

<b>Dimensions:</b>	1.75" H x 17" W x 11.75" D
<b>Weight</b>	14 lbs
<b>Power Consumption</b>	30.5wts/115VAC/60Hz
<b>Power Supply</b>	100-240VAC 50/60Hz Auto Ranging

Specifications and features subject to change without notice.



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