

**VP401**



# FAROUDJA...

for the customer that demands the finest image possible.

Faroudja, Inc. known world wide for producing some of the finest video processing equipment, offers the **VP401 Video Processor**.

The VP401 is the world's first line quadrupler that actually increases the number of visible horizontal lines four times to 960 progressively scanned lines. Designed for use with nine inch CRT projectors,

the VP401 provides a seamless image, rich in detail and color while also increasing the light output and contrast ratio of the projector.

The VP401 uses all of Faroudjas Picture Plus™ patented technology to produce the most film-like image possible, exceeding the resolution of the proposed 1080i HDTV format.

*Video Processor Design Award  
The Academy for Advancing High  
Performance Audio & Video*

*"AAA Rating  
Recommended Components"  
Stereophile Guide to Home Theater Magazine*

*"Perfecting Video with a No-Compromise  
Approach for Reproducing the  
Ultimate Film Experience"*

*Gene Faroudja*



# VP401

## LINE QUADRUPLER/ VIDEO PROCESSOR

Line quadrupling is an even more demanding science than line doubling due to the high frequencies generated.

Faroudja engineers developed a new patent pending Bandwidth Expansion Circuit specifically for the VP401 that affects the vertical bandwidth to improve horizontal edge detail.

This unique circuit, along with the additional Picture Plus™ processing, yields a dramatic film-like image for the ultimate film experience.

### SPECIFICATIONS

#### Inputs (Interlaced)

NTSC	
Video	1.0 Vp-p Looping
S-Video	Y/C 3.58 Levels
RGB	0.700 Vp-p
Y, Cr, Cb	Beta/MII Levels
Composite Sync	4.0 Vp-p
Remote Control "D-25"	RS-232 ASCII-II

#### Outputs (Progressive)

RGB (960 Visible Lines)	0.7 Vp-p
Horizontal Sync 62.9kHz	4.0 Vp-p
Vertical Sync 59.94Hz	4.0 Vp-p
Composite Sync	4.0 Vp-p
TTL Signals	"D-15" Connector
Dimensions	17"W X 3.5"H X 21"D
Weight	22 Pounds (9.8Kg)
Power Consumption	100-250 VAC, 50/60Hz 60W, Auto Ranging

PAL version also available: VP401U

Specifications subject to change without notice.



## PICTURE PLUS *is...*

### ■ Superior Color Processing Using:

Adaptive Comb Filters\*  
Chroma Bandwidth Expansion\*

### ■ Superior Detail Processing Using:

Luminance Bandwidth Expansion\*

### ■ Superior Motion Tracking Using

Film/Video Motion Logic\*

\*Patented Technology

#### Features Include:

- **Input Selector:**  
Video, S-Video  
Component Y, Cr, Cb/RGB
- **Brightness**
- **Contrast**
- **Color/Hue**
- **Detail Level**
- **Noise Reduction Level**
- **Digital Freeze Frame**
- **Compression Filter On/Off**
- **Infrared and RS232 Remote Control**
- **Programmable Presets**
- **On-Screen-Display**



750 Palomar Avenue  
Sunnyvale, California 94086  
Tel: 408/735-1492 Fax: 408/735-8571  
Email: sales@faroudja.com Web: www.faroudja.com