



*plasma Enhancer™ PE1000*



# Introducing Plasma Enhancer PE1000

Plasma Enhancer® is a video processor/scaler specially designed to enhance the video quality of Plasma TVs, LCD TVs, Projectors and RPTVs.

Plasma Enhancer® combines state-of-the-art digital video transmission, processing, scaling and format conversion technologies in a single box and delivers unprecedented high quality video in home theaters at an affordable price.

Technologies including Genesis Microchip's Emmy award winning DCDi™ and TrueLife® are employed to provide impressive de-interlaced processing and outstanding picture quality.

Plasma Enhancer® is equipped with the new Philips 5th generation high quality analog TV tuner, boasting a best-in-class noise figure throughout the frequency range, and with improved selectivity, Plasma Enhancer® offers crystal clear analog TV reception quality.



*plasma Enhancer*™

**DCDi**  
by FAROUDJA

DCDi™ by Faroudja  
Philips MK5™ high quality analog tuner  
Off-Air-Noise-Terminator™

Spouse Friendly™ remote control  
TV Commander™  
TrueLife™

## DCDi™

Video material is analyzed at single pixel granularity to detect the presence or absence of angled lines and edges, which are then processed to produce a smooth and natural looking image without visible artifacts or 'jaggies'. DCDi™ eliminates jagged edges normally seen on angled lines in motion video, creating smooth and natural looking images.

## Philips MK5™ high quality analog tuner

Plasma Enhancer® is equipped with the latest Philips 5th generation high quality analog TV tuner MK5. Boasting a best-in-class noise figure of less than 5dB throughout the frequency range, and with improved sensitivity, Plasma Enhancer® offers crystal clear analog TV reception quality. NICAM audio decoding is included in the European version.

## Off-Air-Noise-Terminator™

The motion adaptive noise reduction algorithm effectively reduces the video noise of off-air material. Broadcast TV programs now become much more enjoyable.

## Spouse Friendly™ remote control

Each Plasma Enhancer® is shipped with two different remotes. One is a full-feature remote for the owner; another one is a smaller, simpler and easier-to-use remote specially designed for your family members. Now they can operate a Plasma Enhancer® as easily as operating a TV.

## TV Commander™

Plasma Enhancer® is the only video processor which can learn the common infrared remote control signals of your TV (power, volume up/down, switching AV inputs) and control your TV by transmitting the learnt signals through a wired infrared transmitter. Now you can control both your video processor and your TV with one single remote control.

## TrueLife™

TrueLife™ enhancement uses sophisticated methods to enhance the small details and colors in images, and improve depth perception by sharpening large edges without introducing visual artifacts or distortion. The overall result is a richer, more pleasing, high-definition-like picture.





## Technical Specifications

### Audio / Video Inputs

One antenna input for analog TV tuner; European (PAL & SECAM) or NTSC versions are available

AV1: S-Video x1, Composite x1 + Component x1 (configurable as RGBS) with stereo audio x1

AV2: S-Video x1 with stereo audio x1.

AV3 on front panel: S-Video x1, Composite x1, stereo audio x1.

### Audio / Video Outputs

Digital video: DVI-D

Analog video: RGBHV, RGBS or YPbPr (DB15 connector)

Stereo audio (Nicom stereo L/R audio for PAL tuner version)

### Resolutions supported

480p, 540p, 576p, 720p, 1080i, 1080p, 640x480, 800x600, 848x480, 852x480, 854x480, 856x480, 1024x576, 1024x768, 1024x1024 ALiS, 1280x720, 1280x768, 1280x1024, 1360x768, 1360x1024, 1366x768, 1368x768, 1400x788, 1400x1050, 1920x1080.

### User-friendly appliance

On screen display for easy system setup

Front panel lighting can be programmed off

Two different remote control units are included

Firmware upgradeable through USB port

Infrared output jack on back panel to connect to an external infrared transmitter TV Commander™

Input Format:	PAL and NTSC
Dimensions:	344 x 210 x 44 mm (13.5" x 8.3" x 1.75")
Power consumption:	16W
Weight:	2.5 Kg (5.5 lb)
Power Supply:	110/220VAC Auto-sensing

Specifications and features subject to change without notice





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