

PAL/NTSC-Linedoubler



Description

Introducing the 8 Input **OMEGA ONE**, the cost effective product in the family of line-**SPATZ** doublers/upconverters. The **OMEGA ONE** offers the highest video quality in its class using the latest video processing technology from the world wide leader **FAROUDJA** in video conversion technology.

It has a 3:2 and 2:2 pull down detection and a bad film edit correction. The FLI 2200 with **DCDI** deinterlacer chip has an advanced diagonal processor that reduces combing and jagged edges to a minimum with video signals. The unit is very suitable for any digital or CRT based projection technology and offers both RGBHV and YPrPb outputs.

The YPrPb output will guarantee compatibility with any HDTV capable projector or display. It is a perfect match for the popular 42 inch Plasma screens and delivers outstanding results.

Picture controls include brightness, contrast, saturation, hue and sharpness, allowing the user the option of adjusting the video output for optimal picture quality on their display. Settings are stored for each of the 8 inputs individually.

With multiple video standards support, users all over the world can now enjoy the best picture quality at an affordable price because the **OMEGA ONE** is designed to accept NTSC, PAL and SECAM sources.

Consistent with the **SPATZ** family of products, the **OMEGA ONE** converts existing standard-definition video from DVD, Laserdisc, videotape, satellite and standard broadcast television to a near high-definition signal. The resulting picture is dramatically improved with twice the vertical resolution and no flicker.

Homecinema

The unit recognizes 3:2 and 2:2 Pulldown-sequences for NTSC/PAL-film source material and delivers outstanding image resolution with a real 3dimensional experience.

Decoder

The adaptive comb filter improves color reproduction and avoids dot crawl and cross color artefacts. The unit passes the 6,75 MHz on the YUV -input without any loss.

The **OMEGA ONE** ist compatible to PAL, NTSC and SECAM sources and uses a 9 bit frontend.

Operation and Inputs

OMEGA ONE offers 4 inputs composite, 2 x Y/C , 2 x component. The automatic selection of the inputs with a user programmable priority eases the operation for automatic installations. Brightness, Contrast, Saturation ,Hue and Sharpness are controlled via front panel and can be stored independently for each input. The advantage of an external linedoubler over a progressive DVD player is obvious. The **OMEGA ONE** can serve as a switching hub for all your sources while offering progressive image for all of them.

Infrared Remote

The **OMEGA ONE** is shipped with a small IR Remote that controls brightness of the display and input switching with direct push button. All other user adjustments may be executed via the remote and stored.



Infrared Remote

Output and synchronisation

The RGBHV output scans with 31,5 KHz horizontal frequency. The **OMEGA ONE** offers a coiche of two output configurations. One as a HD15 SubD connector and the other as 5 RCA sockets. The synchronisation may be adjusted RGBHV or RGsB. As an alternative to the RGB colorspace the user may select YPrPb output. Many digital projectors do offer YPrPb input and allow the 16:9 conversion in this particular progressive input configuration. YPrPb should be the preferred output setting as quite many displays obviously like this format better.

Features

- PAL, NTSC, SECAM
- RS-232 control
- IR Remote

Inputs:

- 4 x Video Cinch
- 2 x S-Video (4-Pol Mini DIN)
- 2 x YUV

Outputs:

- 2 x RGBHV, RGsB or YPrPb

- Wide Range supply 85 – 264 Volt



Technical specifications

Type OMEGA ONE
Description PAL/NTSC/SECAM Linedoubler

VIDEO Inputs

Input 1-4 Composite
Input 4-5 Y/C, S-Video
Input 6+7 YUV, Bandwith 7 MHz -3 dB

Signal standard PAL/NTSC, NTSC 4.43, PAL 60, SECAM, auto-detect
Video bandwidth Y/C 5,5 MHz -3 dB, Composite 5 MHz -3dB
Connection Mini-DIN for Y/C, Cinch for Composite, YUV

VIDEO Outputs

Format RGB H/V, RGsB, YPrPb selectable
Connection SubD HD 15 and 5 x CINCH sockets
Operation Front panel push button or IR-Remote with illuminated display
Power AC 85 - 264 V, 50/60Hz / 9 VA
Dimensions 482 mm x 44,5 mm x 260 mm, 1 RU
Weight 3 kg

Shipped Accessories OMEGA ONE
Mains cable, operation manual, IR Remote,