

# Product Spec Sheet from Rentex

## Pulse PLS300 Dual-Scaler Hi-Resolution Mixer Seamless Switcher

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Rentex Product No. XVP1100



Pulse by Analog Way is a Dual Scaler Mixer Seamless Switcher with Universal Analog and Digital input/output and Full High Resolution Digital Processing.

The Pulse offers up to 10 inputs including 2 fitted with digital DVI and 2 fitted with SDI. SDI is compatible with SD and HD T V formats so is DVI which offers computer formats in addition. With state of the art 100% digital processing, the Pulse outputs Digital and Analog Signals in DVI and VG A (RGBHV) simultaneously with a selection of many formats up to Computer 2K. Pulse provides a high image quality thanks to its true 10 bits SD/HD auto adaptive pixel by pixel 3D motion compensation processing, de-interlacing, auto 3:2 and 2:2reverse pull down circuitry & processing and Frame follower.

### Features

- Seamless transitions between ANY source | Dual-Scaler
- 1 Live PIP on a Live Background with numerous effects
- Versatile for any kind of Live Application or High-End Installation
- 10 inputs and power in a single rack unit
- Kit Includes: Analog Way Pulse 300, VGA(M) to 5-WIRE(BNC) Breakout, VGA(F) to DVI-I(M) Adapter, DVI-I(M) to "Y" DVI-D(F)/VGA(F)

### Detailed Specifications

#### 6 Universal Inputs - Analog Inputs (All inputs #1 to #6)

- SD-TV:**
- Composite, S.Video, YUV , RGSB or RGSB
  - NTSC: 15.735kHz/60Hz
  - PAL/SECAM : 15.625kHz/50Hz
- ED/HD-TV:**
- RGSB, RGSB or YUV
  - 480p/60 Hz – 576p/50 Hz - 720p, 1080i, 1035i/50 or 60Hz – 1080p/24, 25, 30, 50 or 60 Hz – 1080psF/24, 25 or 30 Hz Computer
  - RGBH V, RGSB or RGSB
  - Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
  - Horizontal frequency from 31.5 to 130 kHz
  - Vertical frequency up to 130 Hz
  - FpxMax = 165MHz

#### 4 Digital Inputs (DVI-I 1, DVI-I 2, SDI1 and SDI2)

- DVI-I: SD-T V, ED-T V, HD-T V and Computer formats
- SDI: SD-T V & HD-T V – YUV/10bits/4:2:2, or 3G-SDI
- Automatic synchronization detection

#### Main and Preview Outputs

- Computer**
- RGBH V, RGSB or RGSB and DVI
- Digital & Analog:**
- Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
  - Vertical frequency 50, 60, 72 or 75 Hz depending on Output format
  - FpxMax = 165MHz
- HD-TV:**
- RGSB, RGSB or YUV , DVI
  - 720p, 1080i, 1035i/50 or 60Hz - 1080p/24, 25, 30, 50 or 60Hz - 1080psF/24, 25 or 30Hz

#### Connectors - Rear Panel

- Input:**
- Input #1 to #4 Connectors: HD15-F: (Analog SD/ED/HD-T V & Computer)
  - Input #5 to #6 and DVI-I 1 to DVI-I 2 Connectors: DVI-I Female: (Analog SD/ED/HD-T V & Computer)
  - Input SD/HD-SDI SDI 1 & SDI 2 : BNC-F
  - Audio: 3.5mm Stereo jack: inputs #1 to #4 10 pins MCO connectors: 2 for Inputs and 1 for Outputs
  - DB9: Dual RS232 for remote control
  - RJ45: Ethernet connection
  - AC main connector with On/Off switch

#### Audio Stereo In/Out

- Input:**
- 6 Audio stereo inputs + 1 Auxiliary + 2 from Embedded SDI
  - AUX Balanced
  - Vi = +15dB
  - Zi = 20 kOhms (Unbalanced)/40 kOhms (Balanced)
  - Adjustable Level per input
- Output:**
- 1 output
  - Balanced/Unbalanced
  - Vo = +15 dBu/300 Ohms (Unbalanced)
  - Vo = +21 dBu/600 Ohms (Balanced)

#### Main and Preview Output Connectors

- DVI-I Female: (Digital and Analog) RGB or YUV
- HD15 Female: RGB or YUV

**Weight:** 11.0 lbs

**Dimensions:** 19" x 1.74" x 13" (WxHxD)