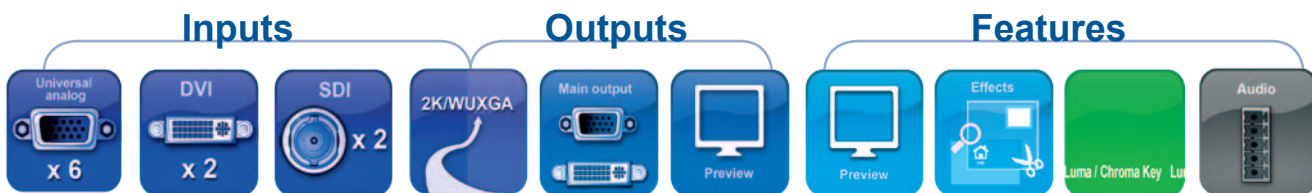
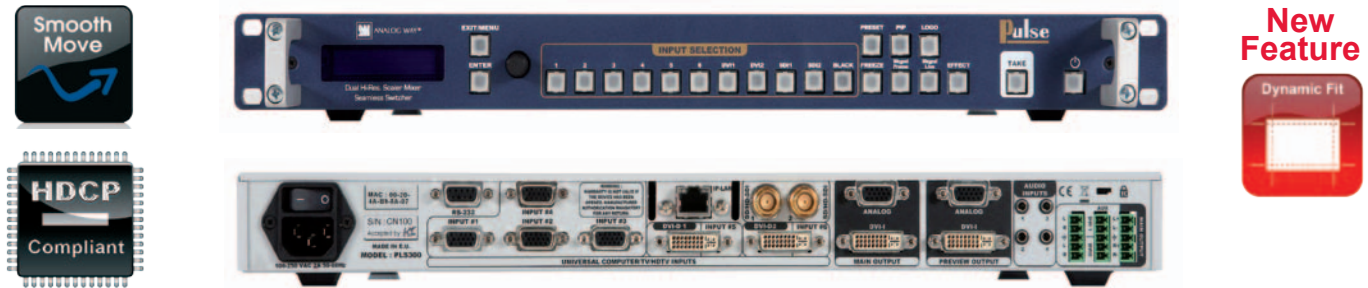


## Dual Scaler Hi-Resolution Mixer Seamless Switcher for Large Screen Projections, Conference Rooms and Houses of Worship



### PLS300 at a glance

- > Seamless transitions between ANY source
- > Dual Scaler
- > Live PIP on a Live Background with numerous effects
- > Plenty of inputs and power in a single rack unit
- > Versatile for any kind of Live Application or High End Installation

### 10 Inputs

- 2 Digital Inputs (DVI)
- 6 Universal Analog Inputs
- 2 SD/HD-SDI Inputs
- SDTV, EDTV, HDTV and Computer formats up to 2K
- Full digital In/Out Processing

### Outputs

- 2 Analog and Digital Outputs: Main & Preview
- Computer Formats up to 2K
- RGBHV, DVI and HDTV

### Operation Modes & Effects

- 1 Operation Mode : Mixer
- Live background and 1 Live PIP
- 6 Frames, 6 Logo Memories
- PIP: Pan & Zoom resizing up to 1000%
- PIP Open/Close Animation
- Transitions: Fade (Dissolve), Cut, Clean Cut, Wipe, Slide
- PIP Border (Edge: 1 Color, 1 Width, 1 Height)
- Dynamic Fit: Automatic adjustment of the PIP to fit the image borders
- Smooth Move effect
- Chroma / Luma / DSK

### Reference

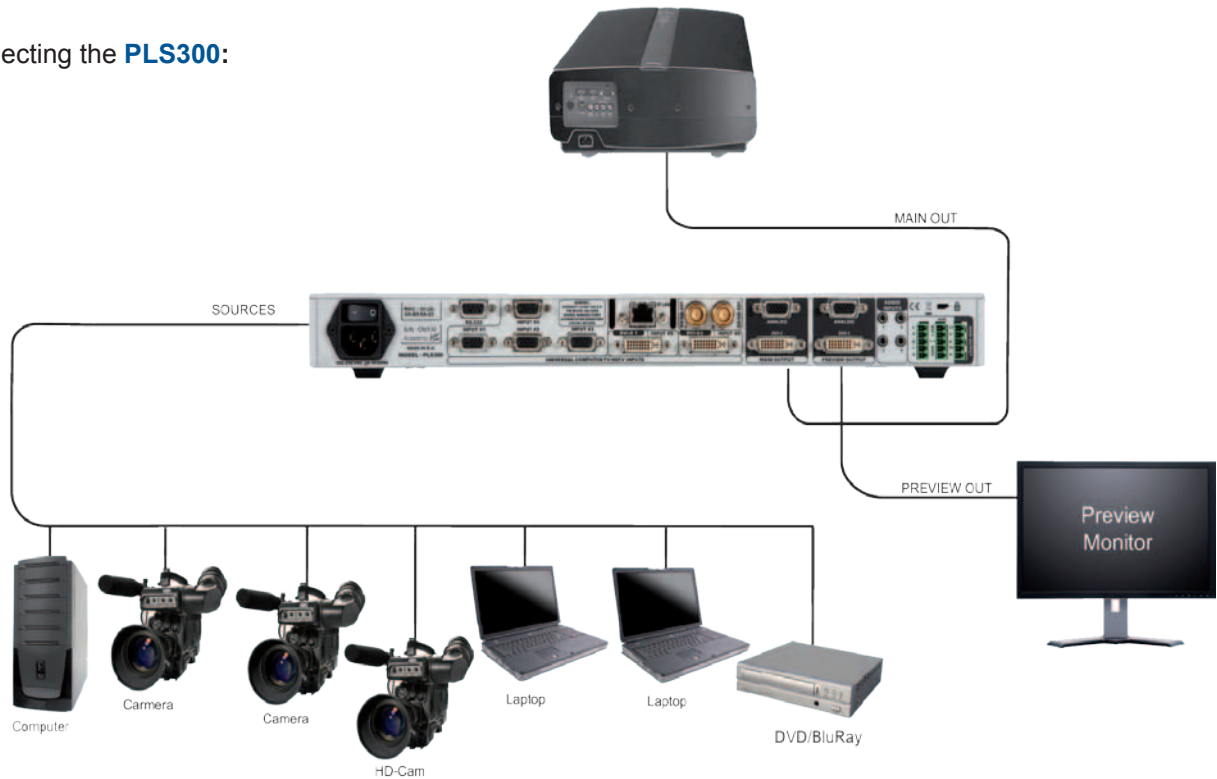
- > PLS300: Pulse

### To Control PLS300

- > Remote Control Software (RCS): PLS300 (Supplied)
- > ORC50: Orchestra
- > ARC200: Axion2
- > RK-300: Remote Keypad
- > TRK-800: Triple Remote Keypad



## Connecting the PLS300:



## Technical Specifications

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

#### SD-TV:

- Composite, S.Video, YUV, RGsB or RGbS
- NTSC: 15.735kHz / 60Hz
- PAL/SECAM : 15.625kHz / 50Hz

#### ED/HD-TV:

- RGsB, RGbS 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
- RGBHV, RGbS 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-TV, ED-TV, HD-TV and Computer formats
- SDI: SD-TV & HD-TV – YUV / 10bits / 4:2:2
- Automatic synchronization detection

### Main and Preview Outputs

#### Computer Digital and Analog:

- RGBHV, RGbS or RGsB and DVI
- 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, RGbS or YUV, DVI
- 720p, 1080i, 1035i / 50 or 60Hz - 1080p / 24, 25, 30, 50 or 60Hz - 1080psF / 24, 25 or 30Hz

### Audio Stereo In/Out

- Input:
  - 6 Audio stereo inputs + 1 Auxiliary+ 2 from Embedded SDI
  - AUX and input #7 Balanced
  - Vi = +15dB
  - Zi = 20 kOhms (Unbalanced) / 40 Ohms (Balanced)
  - Adjustable Level per input

### • Output:

- 1 output
- Balanced/Unbalanced
- Vo = +15 dBu / 300 Ohms (Unbalanced)
- Vo = +21 dBu / 600 Ohms (Balanced)

### User Controls - Front Panel

- Standby On/Off
- Input, Layer and Logo direct access
- Freeze/Black
- Effect and preset selection
- Large Graphic VFD screen with control knobs and buttons for easy and fast access to menus and adjustments

### Connectors - Rear Panel

- Input #1 to #4 Connectors:
  - HD15-F: (Analog SD/ED/HD-TV and Computer)
- Input #5 to #6 and DVI-I 1 to DVI-I 2 Connectors:
  - DVI-I Female: (Analog SD/ED/HD-TV and 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

### Main and Preview Output Connectors

- Each output is fitted with:
- DVI-I Female: (Digital and Analog) RGB or YUV
  - HD15 Female: RGB or YUV

### Dimensions:

- 1U, 19"
- D 13" x W 19" x H 1.74"
- D 330 mm x W 480 mm x H 44 mm

### Weight:

- 5kg / 11lbs

### Power Supply

- Internal, universal, automatic, 100-240 V; 50/60 Hz; 140 W (UL, CSA, GS, CE)

### Supplied with

- 1 x AC power cable
- 2 x DVI-I male to HD15 Female and DVI-D Female Break out cable
- 1 x HD15 to 5 BNC Cable
- 1 x Ethernet cross cable (for update)
- 1 x Remote control software
- 1 x User manual on Cd-Rom
- 1 x Set of 3 audio 10-pin screw terminals
- 1 x Quick Start Guide

### Warranty

- 3 year warranty on parts and labor back to factory

Specifications subject to change without prior notice