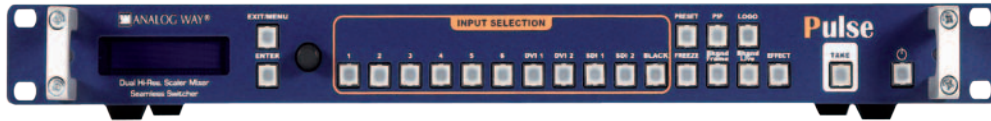


Dual Scaler Hi-Resolution Mixer Seamless Switcher for Large Screen Projections, Conference Rooms and Houses of Worship



PLS300 at a glance

- > Seamless transitions between ANY source
- > Dual Scaler
- > 1 Live PIP on a Live Background with numerous effects
- > 10 inputs and power in a single rack unit
- > Versatile for any kind of Live Application or High-End Installation

Reference

- > [PLS300: Pulse](#)

To Control PLS300

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

10 Inputs

- 2 DVI Inputs
- 6 Universal Analog Inputs
- 2 SD/HD-SDI Inputs, or 3G-SDI
- SDTV, EDTV, HDTV and Computer formats up to 2K
- Full digital In/Out Processing

Outputs

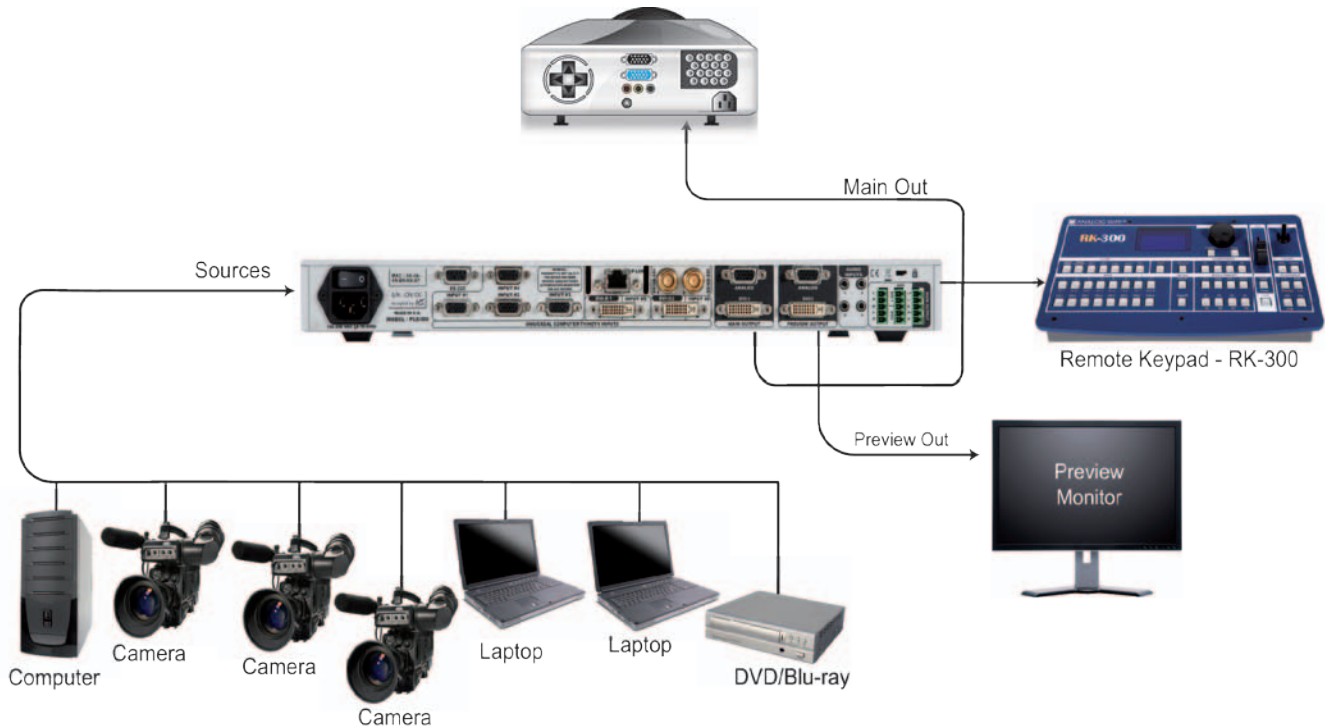
- 2 Analog and Digital Outputs: Main & Preview
- Computer Formats up to 2K
- RGBHV, DVI and HDTV

Operation Modes & Effects

- 1 Operation Mode: Mixer
- Live Background and 1 Live PIP: Fully resizable
- 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)
- Smooth Move effect
- Chroma/Luma Key/DSK Title
- DSK on Analog & Digital Inputs



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, or 3G-SDI
- 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

Operation Standards

SMPTE 259M, SMPTE 274M, SMPTE 292M, SMPTE 296M and SMPTE 424M

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

Supplied with

- 1 x Power supply cord
- 2 x DVI-I male to HD15 Female and DVI-D Female breakout cable
- 1 x HD15 to 5 BNC cable
- 1 x Ethernet cross cable (for update)
- 1 x Remote Control Software (RCS) (PC Only)*
- 1 x User Manual*
- 1 x Set of 3 audio 5-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



* All RCS, User Manuals and Quick Start Guides are available on www.analogway.com