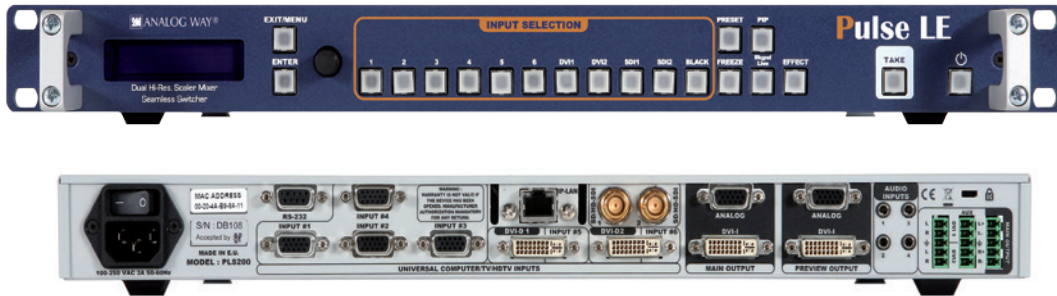


Pulse LE - Ref. PLS200

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



INPUTS



OUTPUTS



SPECIAL FEATURES



Pulse LE at a glance

- ▶ Dual Scaler Seamless Switcher unit + Preview
- ▶ Cut/Fade/Luma/Chroma Key/PIP
- ▶ 10 inputs including 2 x 3G/HD/SD-SDI
- ▶ HDCP Compliant
- ▶ Can be controlled by front panel, Remote Control Software or 2 different Remote Consoles

Key features

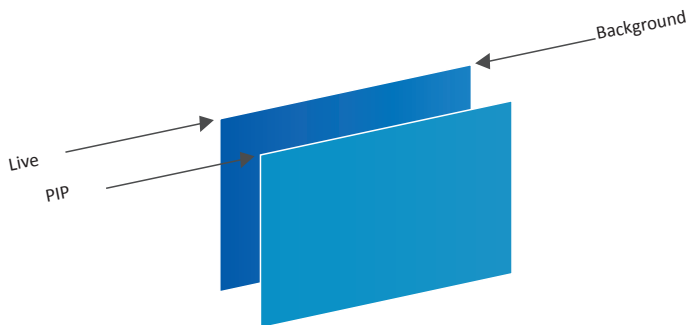
- ▶ **10 inputs**
 - 2 DVI inputs
 - 6 Universal Analog Inputs
 - 2 x 3G/HD/SD-SDI
 - SDTV, EDTV, HDTV and Computer formats up to 2K
 - Full digital In/Out Processing
- ▶ **Outputs**
 - 2 Analog and Digital Outputs: Main & Preview
 - Computer Formats up to 2K
 - RGBHV and DVI

Operating modes

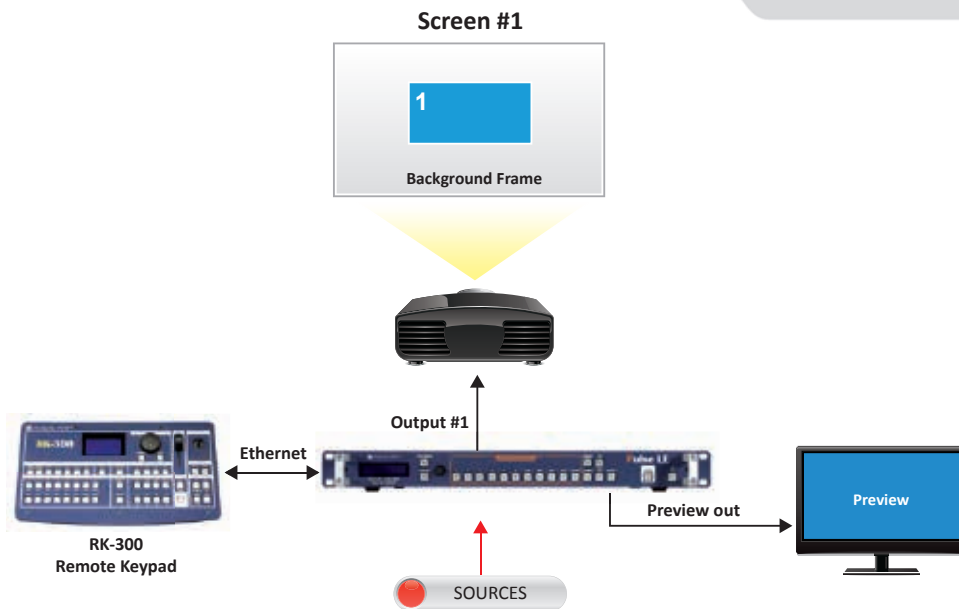
- 1 Operation mode: Mixer
- Live Background and 1 Live PIP
- PIP: Pan & Zoom resizing up to 1000%
- PIP Open/Close Animation
- Transitions: Fade (Dissolve), Cut, Clean Cut
- PIP Border (Edge: 1 Color, 1 Width, 1 Height)
- Smooth Move effect
- Chroma/Luma Key/DSK Title
- DSK on Analog & Digital Inputs
- New Preset: Split Screen
- 6 Preset Layouts

To Control Pulse LE

- ▶ Remote Control Software (RCS): PLS200 (Supplied)
- ▶ ORC50: Orchestra
- ▶ RK-300: Remote Keypad



► **Diagram:**



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 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 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

• **Program and Preview output connectors:**

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

• **Audio:**

- 3.5mm Stereo jack: inputs #1 to #4
- 10 pin MCO connectors: 2 for inputs and 1 for output

• **Miscellaneous:**

- DB9: Dual RS232 for remote control
- RJ45: Ethernet connection
- AC main connector with On/Off switch

Dimensions:

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

Weight:

- 4.3 kg
- 9.48 lbs

Power Supply:

Internal, universal, automatic, 100-250 V; 50/60 Hz; 140W(UL, CSA, GS, CE)

Supplied with:

- 1 x Power supply cord
- 2 x DVI-I male to HD15 female + DVI-D female breakout cable
- 1 x HD15-M to 5 BNC-F cable
- 1 x Ethernet crossover cable
- 1 x Set of 3 audio 5 pin screw terminals
- 1 x Remote Control Software (RCS) (PC only)*
- 1 x User Manual*
- 1 x Quick Start Guide*



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

i Specifications subject to change without prior notice

All technical specifications are available on our website