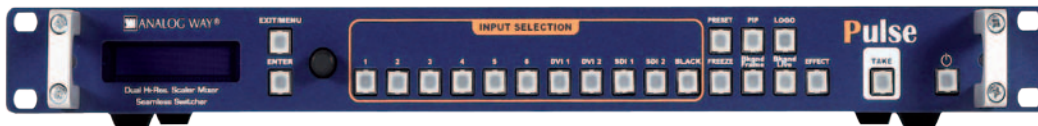


Dual Scaler Hi-Resolution Mixer Seamless Switcher for Large Screen Projections, Conference Rooms and Houses of Worship



Inputs



Outputs



Features



Pulse 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

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, 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
- 6 Preset Layouts

Reference

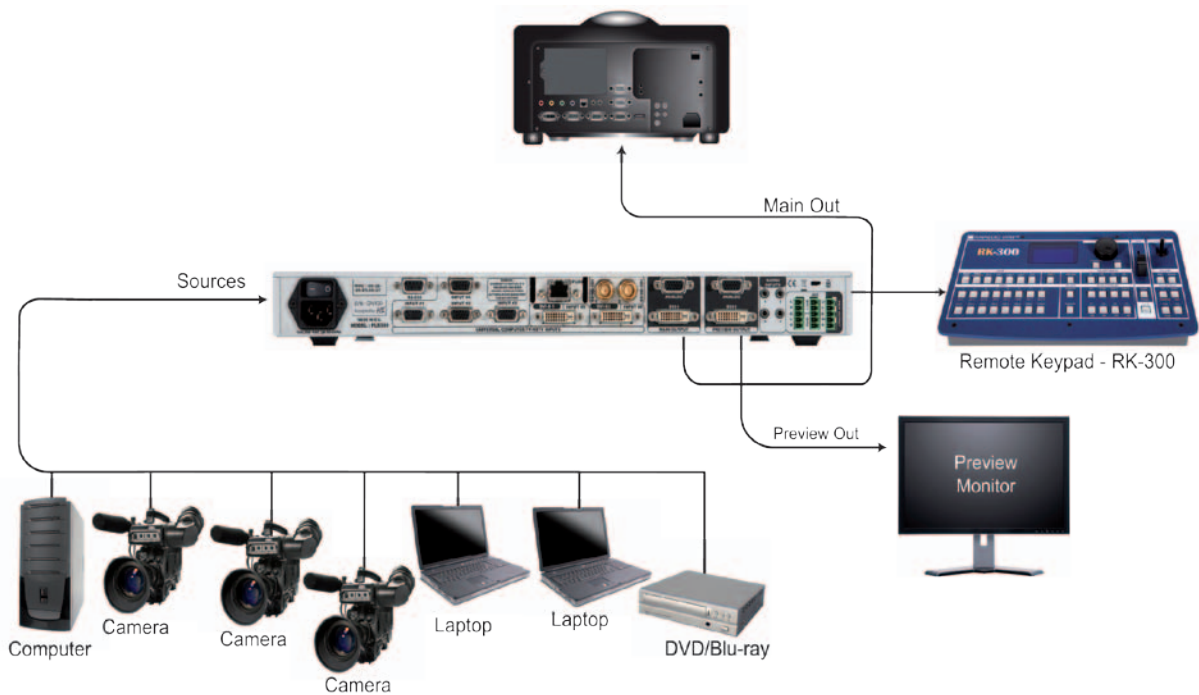
> PLS300: Pulse

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



Diagram



Technical Specifications

6 Universal Inputs - Analog Inputs (All inputs #1 to #6) Audio Stereo In/Out

- SD-TV:**
- Composite, S.Video, YUV, RGB 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

- 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)

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

- 4.3kg/9.48lbs

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 Set of 3 audio 5-pin screw terminals
- 1 x Remote Control Software (RCS) (PC Only)*
- 1 x User Manual* (PDF Version)
- 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 also available on www.analogway.com