



P80

Product Introduction

CLEAR SHOW THE BEAUTY OF THE WORLD AND INSPIRE PEOPLE TO IMAGIN

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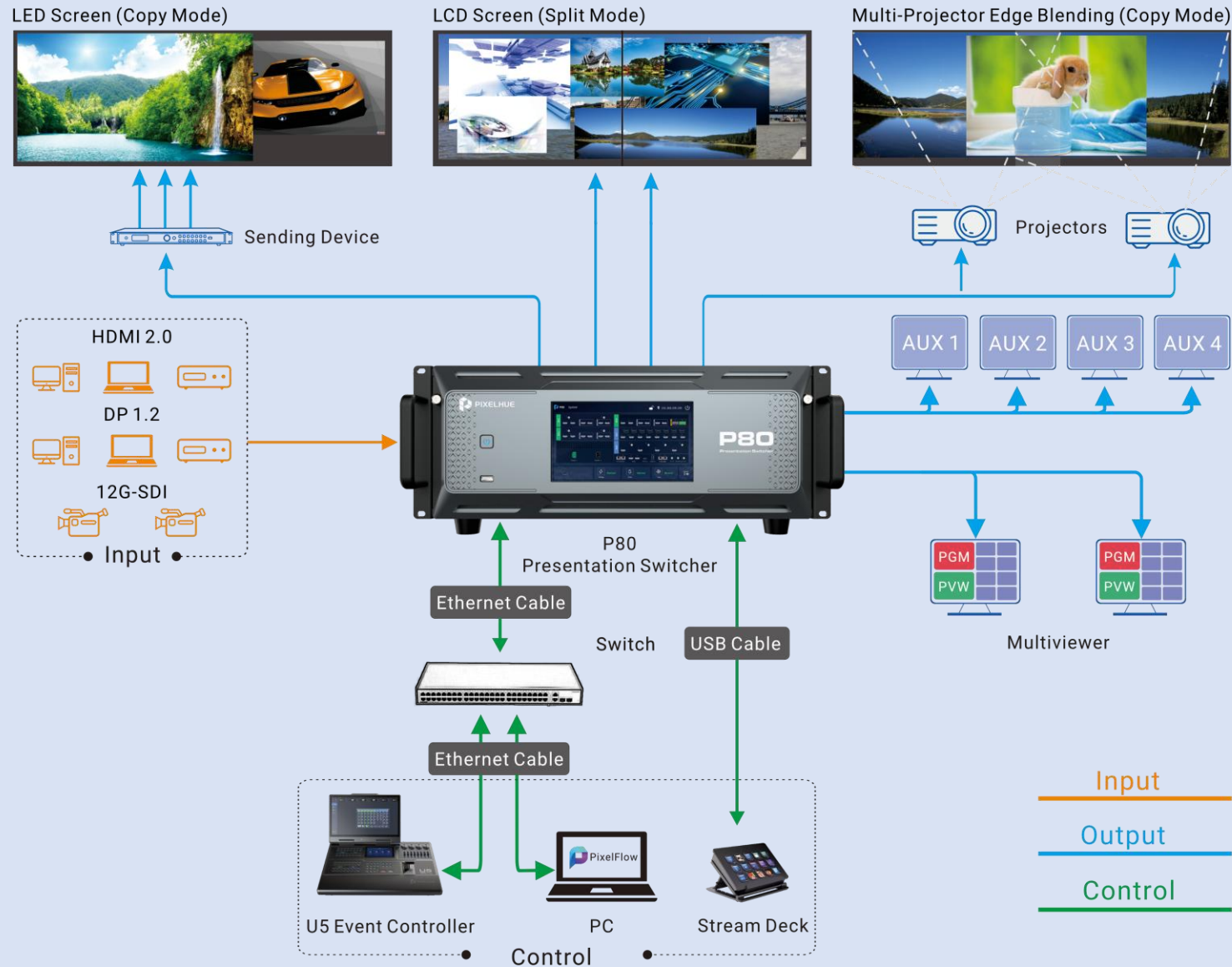
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Topology of Solution



01

R&D Background

P80

R&D Background



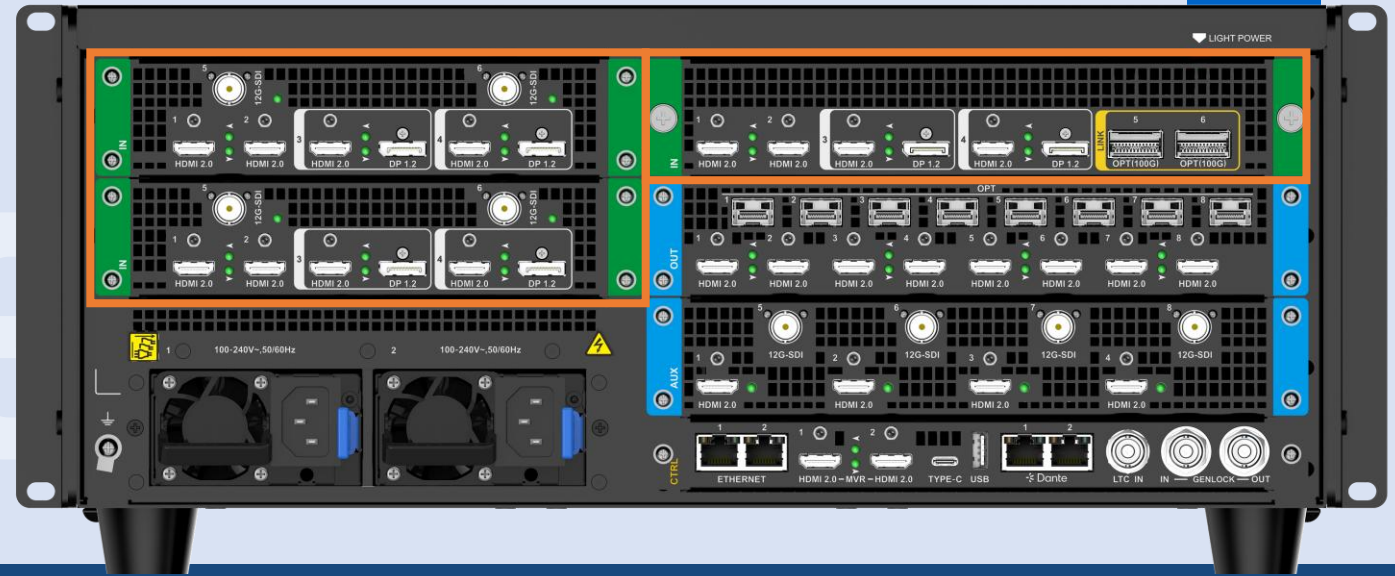
1. Enhancing customer satisfaction and brand loyalty to ultimately drive sustained growth and expansion through derivative customers.
2. Updating potential incomplete order customers with new products at the product level.
3. Expanding product categories by broadening the product line.

02

Product Introduction

Input Interface

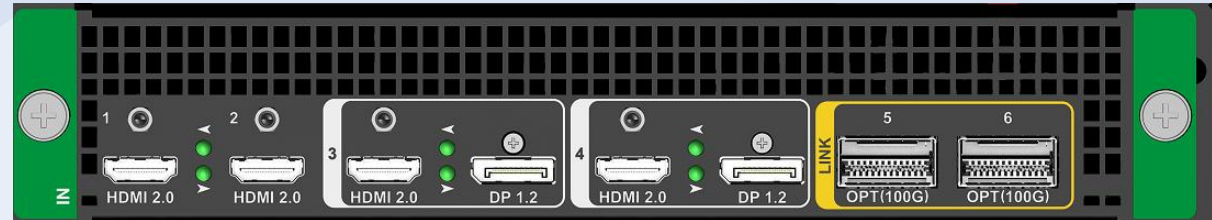
Product Intro



1. Comes with 3 input cards upon purchase (2 Fixed + 1 Substitute card + 1 UVC); up to 25 inputs in total (6 + 6 + 12 + 1).
2. For fixed input card, 1,2,5,6 is fixed slots + 2 sets of HDMI 2.0 or DP1.2 which choose 1 from 2.
3. For substitute card, it has up to 8*4K LINK Input + 1,2 fixed slots + 2 sets of HDMI 2.0 or DP1.2 which choose 1 from 2.

Input Interface

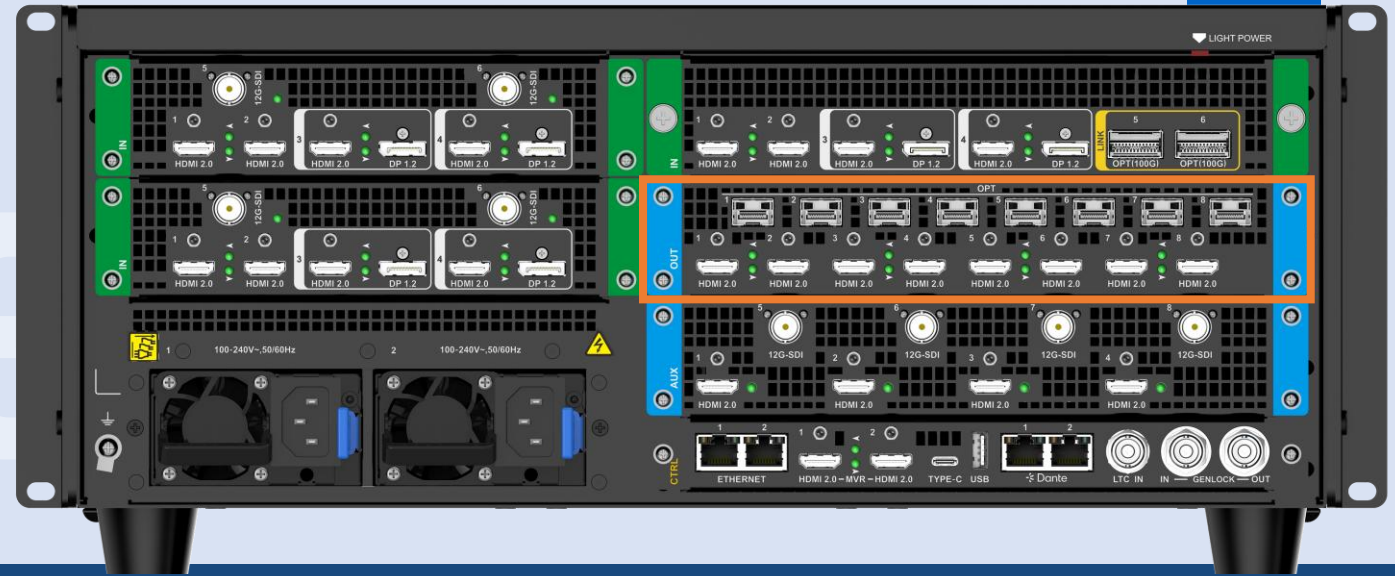
Product Intro



1. The P80 substitute card supports up to 12 × 4K@60 inputs (8*4K LINK Input + 1&2 fixed ports + 2 sets of HDMI 2.0 or DP1.2, with one selectable from each group).
2. Q8 input card can be replaceable (ST2110, HDMI2.0+DP1.2+12G-SDI Input Card). (Non V1.0)

Output Interface

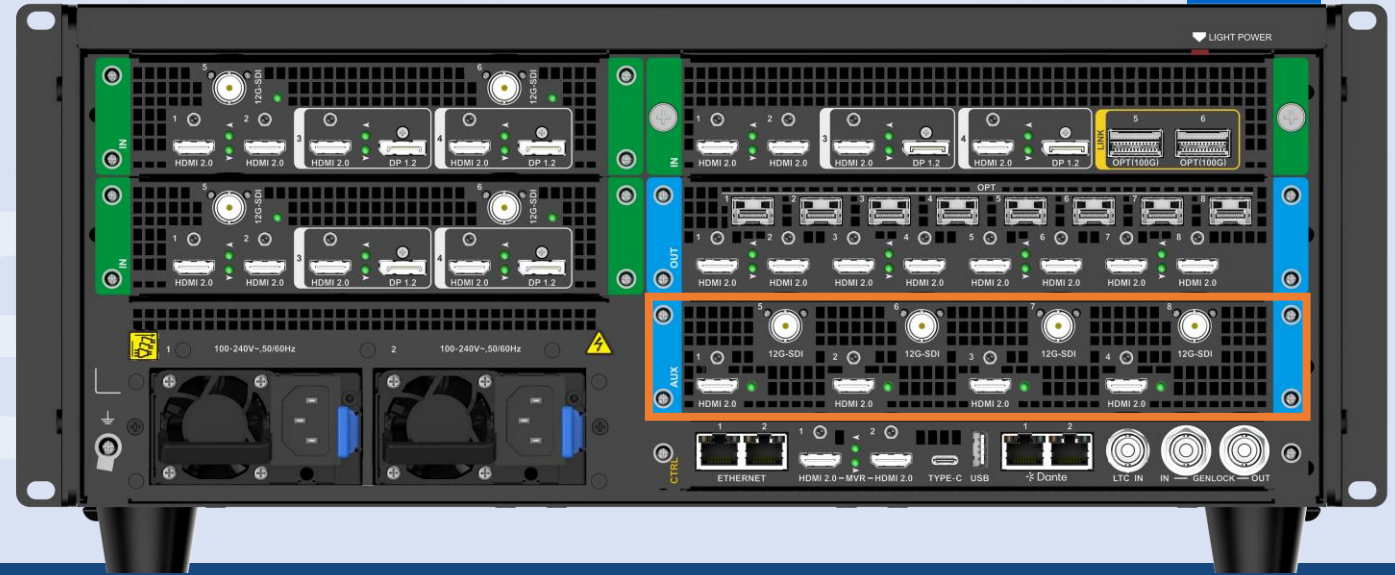
Product Intro



1. 4*4K + under Copy Mode.
2. 8*DL + under Split Mode. (same screen canvas)
3. 10G SFP+ will copy half the content of each HDMI output. e.g. OPT1+OP2>HDMI 1

AUX Interface

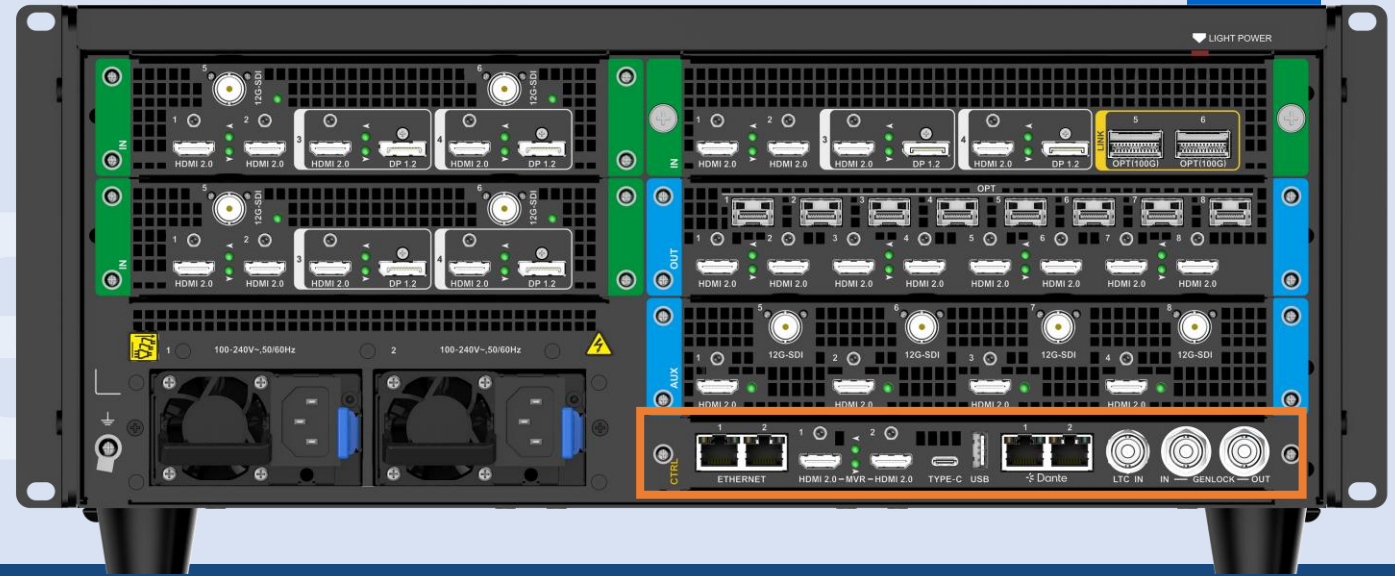
Product Intro



1. 4*HDMI 2.0 4K Level Output
2. Free Splicing and Roaming
3. 4 × 12G-SDI matrix outputs, freely mappable to Input, MVR, or PGM.

Control Interface

Product Intro



1. 2 dedicated MVR Outputs. Independent mode: 2* 4K* 1K; Copy Mode: 4K*2K.
2. 1+1 redundant Ethernet control connectors
3. 2*Ethernet Connectors for Dante
4. Support LTC Time Code
5. Support Genlock

Summary

Product Intro



Input

6 × DP1.2 / 6 × HDMI2.0 (Selectable)
 6 × HDMI2.0 (Fixed)
 4 × 12G-SDI (Fixed)

Output

8 × HDMI2.0 or 8 × 10G OPT (Copy)

Aux

4 × HDMI2.0
 4 × 12G-SDI Matrix

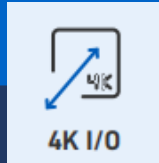
03

Product Functions

Key Feature



Input & Output



- 16 * 4K simultaneous input;
- 22 * 4K input ports in total
- 20 * 4K simultaneous input while using Q 8 input card
- 4 * 4K (Copy mode) simultaneous output / 8 * DL (Split mode)

Aux Combo Card



- 4*4K Aux Output
- Splicing, Mask, key frame, FTB Effect
- 4*12G SDI Matrix (Assigning Input source, MVR, Output (PGM and AUX PGM))

Flexible Control Options

- U5/U5 Pro
- PIXELFLOW
- Stream Deck

MVR Setting



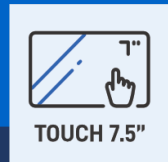
- 2 independent MVR Output
- 2* DL/ 1* 4K

Audio



- Dante 64 Channel Audio Networking (Non V1.0)
- Dual Channel Audio Input/Output
- Audio Matrix

7 Inch Touch LCD Screen



- Status Monitoring
- Device Settings
- MVR
- Call Preset
- TAKE

Key Feature

Genlock



Genlock

- Input Synchronization
- Self Genlock Signal Generate

Layers Setting



LAYERS
SETTING

- 8*4K Layer
- Basic Setting: Border, Shadow, Mask, KeyFrame
- Advanced Setting: Cut& Fill, DSK

BKG



BKG

- Still BKG
- Still BKG Support Zoom Function

Long-distance Fiber Transmission



10km
OPT SOLUTION

- VX and VX pro
- NovaPro UHD Jr\
- H Series
- MCTRL 4K
- MX40 (developing)

Uniform Control

- One control terminal can control multiple switchers

Video Echo Back

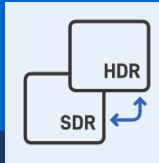


TOUCH 7.5"

- 10 FPS

Key Feature

Full Link HDR Format Conversion

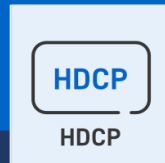


- SDR
- HLG
- HDR10

Full-Link Backup

- Input
- Output
- Whole Device

One-click HDCP configuration



- HDCP 1.4/2.2

Cut & Fill



- Achieve cut & fill between two layers
- Suitable for irregular layers

Virtual Event Controller



- Add virtual buttons on the PC
- One-click operation for preset function
- Fast control of the Switcher on PC

Uniform Control

- One control terminal can control multiple switchers

Key Feature

KeyFrame



- Layer movement between PVW & PGM

Screen Preset & Layer Preset



- Set Layer Editing Parameters as Preset

Smart & Luma & Chroma Key



- Smart Key: Algorithm based Luma & Chroma Key

Video Streaming

- USB3.0 Type-c for UVC Streaming

Anti-static Mode

- Eliminate the negative effects of static

LTC in

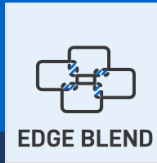
10:56:48:39

TIMECODE

- Time Code Input

Key Feature

Projector edge Blending



- Blend projections from multiple projectors
- Display a uniform, consistent brightness image

LCD Bezel Compensation



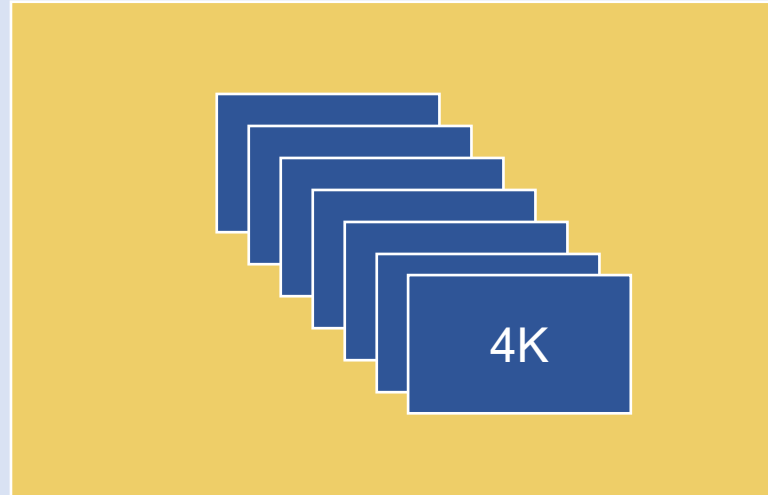
- Achieve optimal display effect

3D

3D

- Convert 2D signal into 3D signal in the format of shutter 3D

Maximun Layers



8 Mixing Layers (Main Layer)

- Border, Shadow, DSK, Cut&Fill

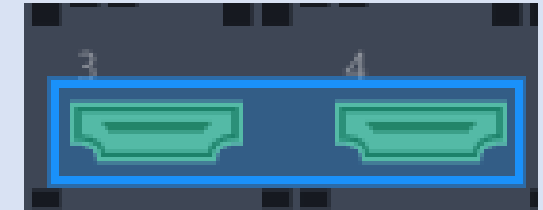
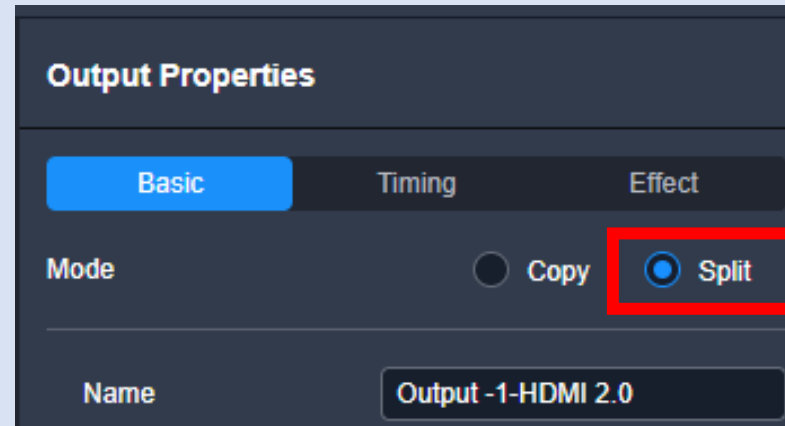
1 Still BKG + 1 Live BKG for each Screen; Don't Occupy Layer Resources.

Split Output



Split mode:

The single 4K interface was split into two DL interfaces, and the independent main output increased from 4 4k to 8 DL. However, the maximum screens still are 4



Resources 4K	
Device6	0/8
Out 1	0/8

Preset



Relative Preset

- A more flexible screen preset method that reduces the overall number of required presets.
- Saving options: layers; Screen, Take Duration, Save from where? etc

This screenshot shows the 'Load Method' dialog box. The 'Load Method' section has two radio buttons: 'Complete(C)' (selected and highlighted with a red box) and 'Relative(R)'. The 'Save From' section has two radio buttons: 'PVW' (selected) and 'PGM'. The 'Name' field contains 'Preset 1'. Below this is a grid of 30 numbered buttons (1-30) with a 'Page 1' indicator. At the bottom, there are expandable sections for 'Transition', 'Screen', and 'Input Source', and 'Cancel' and 'Save' buttons.This screenshot shows the 'Load Method' dialog box with the 'Relative(R)' radio button selected and highlighted with a red box. The 'Save From' section has 'PVW' selected. The 'Name' field contains 'Preset 1'. Below this is a grid of 30 numbered buttons (1-30) with a 'Page 1' indicator. At the bottom, there are expandable sections for 'Transition', 'Screen', and 'Input Source', and a 'Layer' section with a 'Select All' checkbox. 'Cancel' and 'Save' buttons are at the bottom.

Super AUX & SDI Matrix

SDI Matrix

- Four SDI output can be used as a Matrix to map different source. E.g. all input source; all PGM output; and all MVR output

Super AUX (4K level)

- AUX layers support fade-in/out effects.
- Mask effect supported
- 4*4K Mixing Layer

SDI Matrix

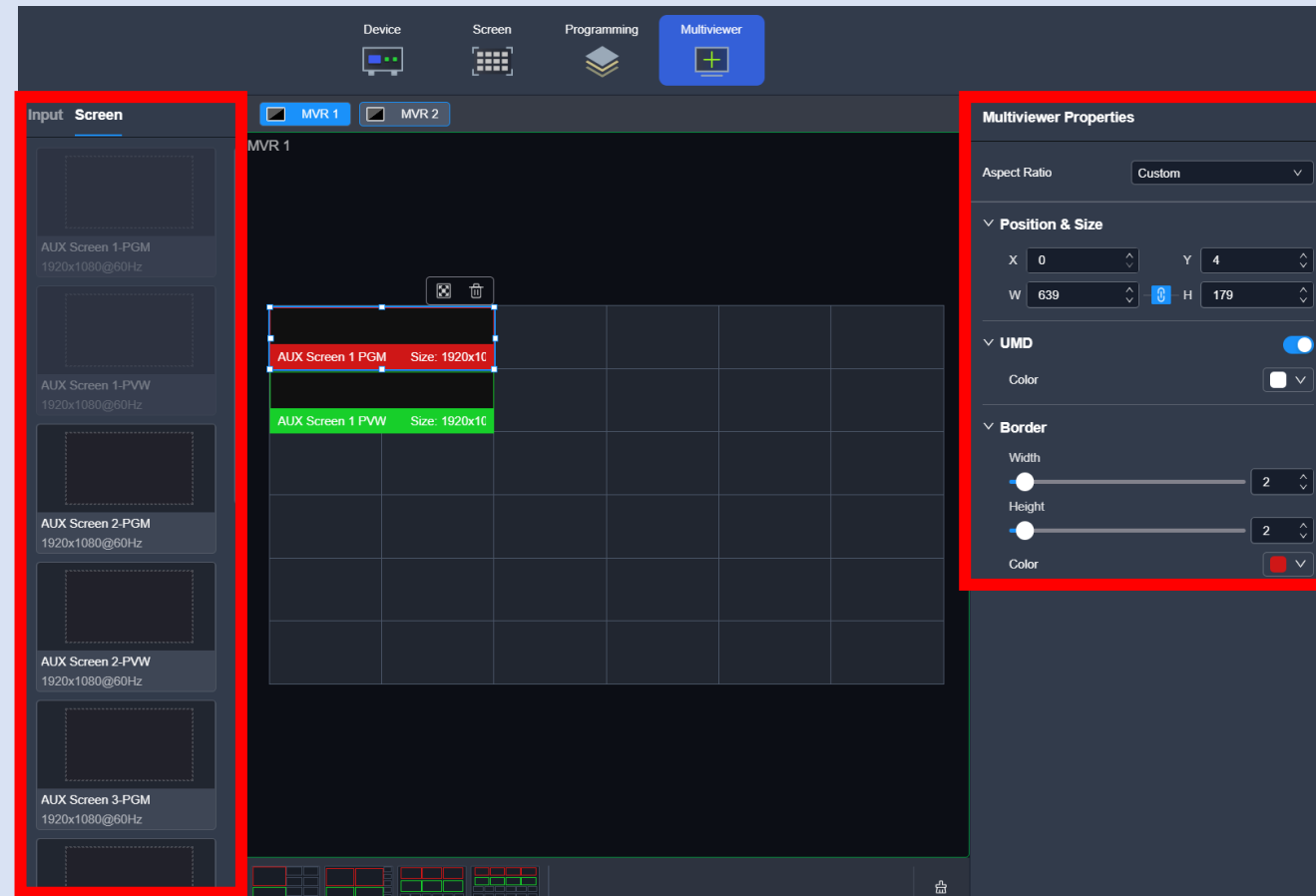
SDI 5	Output -1-HDMI 2.0	▼
SDI 6	MVR -1	▼
SDI 7	Output -1-HDMI 2.0	▼
SDI 8	Input 1-1-HDMI 2.0	▼

Reset

Moniotr AUX Output

MVR new feature

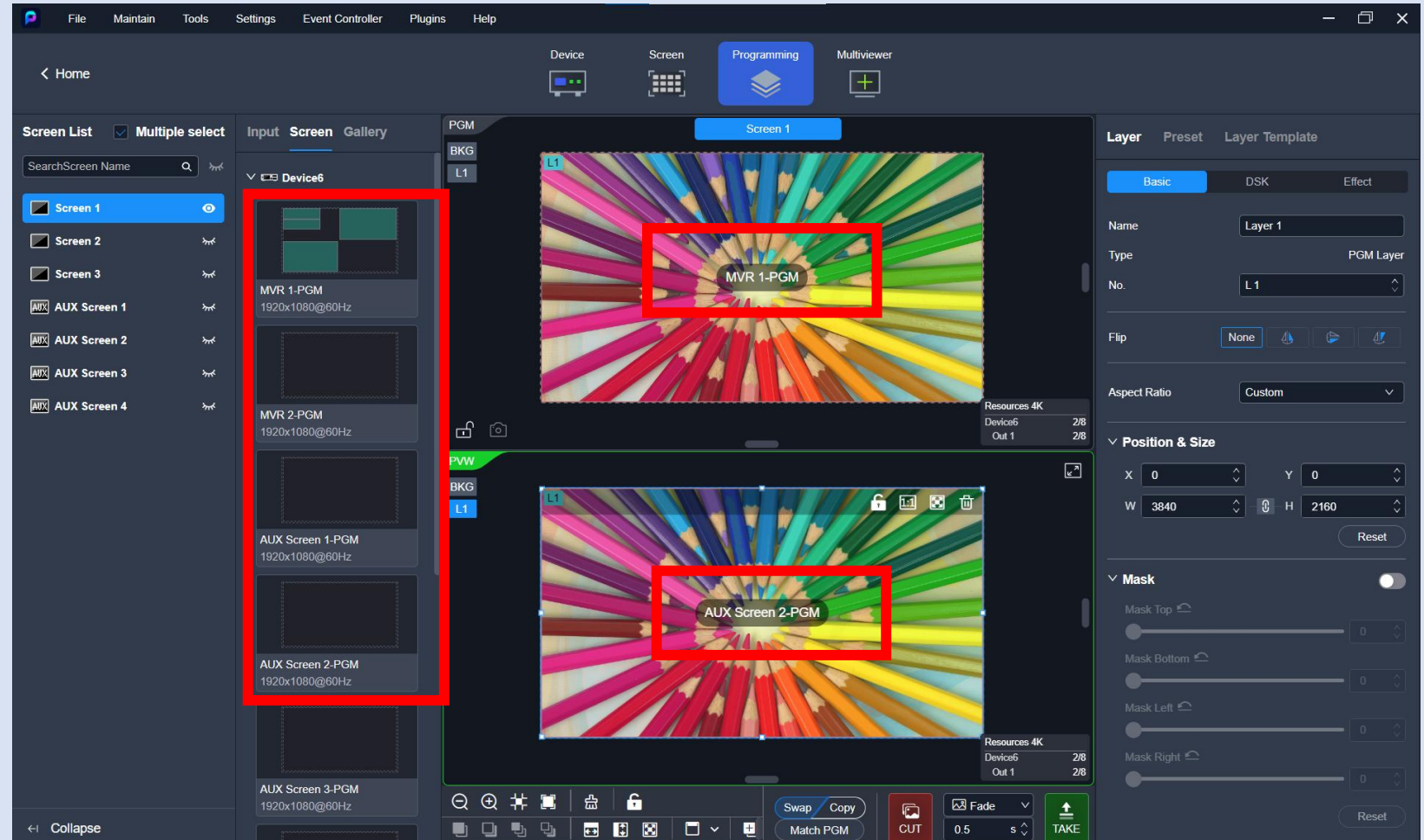
- The AUX output can now be used as a window for pre-monitoring in the MVR system.
- Size and Position can be adjusted.
- UMD and Border



MVR and AUX PGM Output as a layer

New layers: MVR and AUX

Now, The MVR and AUX PGM output can be used as a layer on the Programming page



P80 V2.0

(Uncomfired)

1. Input Source Mosaic
2. Live BKG
3. Super AUX --- Layer could roaming in different AUX; and screen mosaic
4. LTC Time Code
5. 4K signal Transformation within one OPT port
6. Ect.

04

Product Advantage

Advantages



Brand		PIXELHUE	BARCO		ANALOGWAY		
Model		P80	E3	E2-GEN2	Zenith200	RS2	RS3
Performance Parameters	4K Input	16	16	16	16	16	24
	4K Output	4	8	8	4	8	8
	Layer Capability	8×4K	32×4K	4×4K	4×4K	8×4K	8×4K
	Optical	√	√	×	/	/	/
	AUX	4×4K	4×4K	Utilize Output	2×SL	4×4K	4×4K
	SDI Matrix	4×12G	/	/	/	/	/
Core Function	Input Splicing	√	√	√	/	/	/
	Dante	64×64	128×128	×	32×32	64×64	64×64
	MVR	1×4K / 2×DL	2×4k	1×4K	1×SL	1×4K / 2×DL	1×4K / 2×DL
	Genlock	√	√	√	/	/	/
	Live BKG	√	√	√	√	√	√
	DSK	√	√	√	√	√	√
	Audio	√	√	√	√	√	√
	LINK	8	2	8	/	/	/
	Still Layers	1GB-30x4K	8 * 4K	√	√	12×4K	12×4K
	Vedio Echo	10fps	√	√	0.5fps-Image	0.5fps-Image	0.5fps-Image
Control Ways	Software	√	√	√	√	√	√
	Console	U5/U5 Pro	EC-210	√	√	√	√
	Third Party	√	√	√	×	×	×
	Web	×	√	√	×	×	×

05

PIXELHUE Products Comparison

Advantages



Specification	P20	P80	Q8
Product Comparison			
Brand	PIXELHUE	PIXELHUE	PIXELHUE
Model	P20	P80	Q8
Performance Parameters			
4K Input	12	16	48
4K Output	2	4	16
Layer Capability	6×4K/12×DL	8×4K	8×4K per Output Card
Optical	√	√	√
AUX	1× DL	4×4K	32
SDI Matrix	/	4×12G	/
Core Function			
Output Splicing	√	√	/
Dante	64×64	64×64	64×64
MVR	1× SL	1×4K/2×DL	1×4K/2×DL
Live BKG	/	√	/
DSK	√	√	√
Audio	/	√	/
LINK	/	8	/
Still Layers		1GB-30x4K	
Vedio Echo		10fps	



THANKS!

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