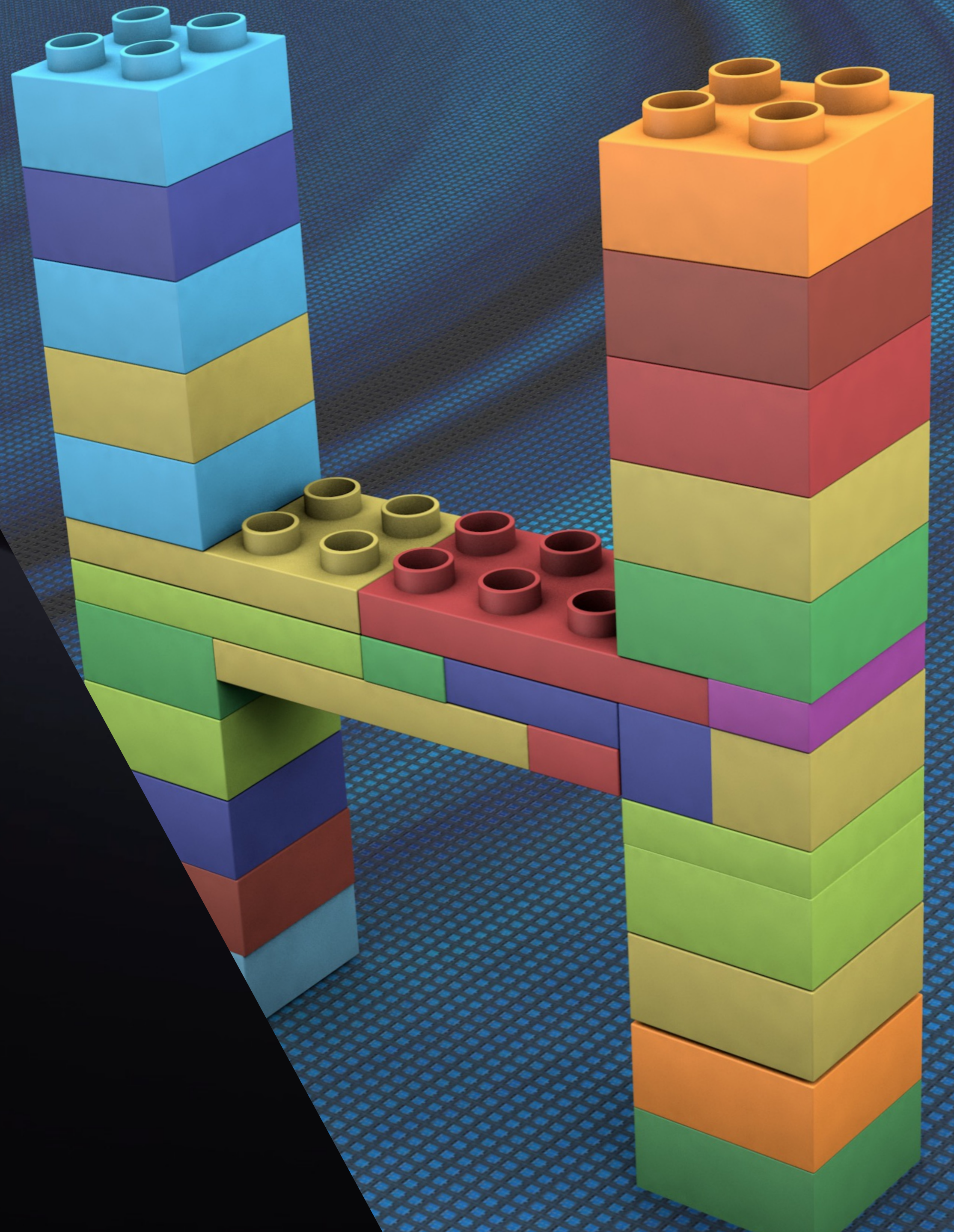


**NOVA** STAR

# Design it your way

H Series Screen  
Management System





1920\*3840



7680\*4680



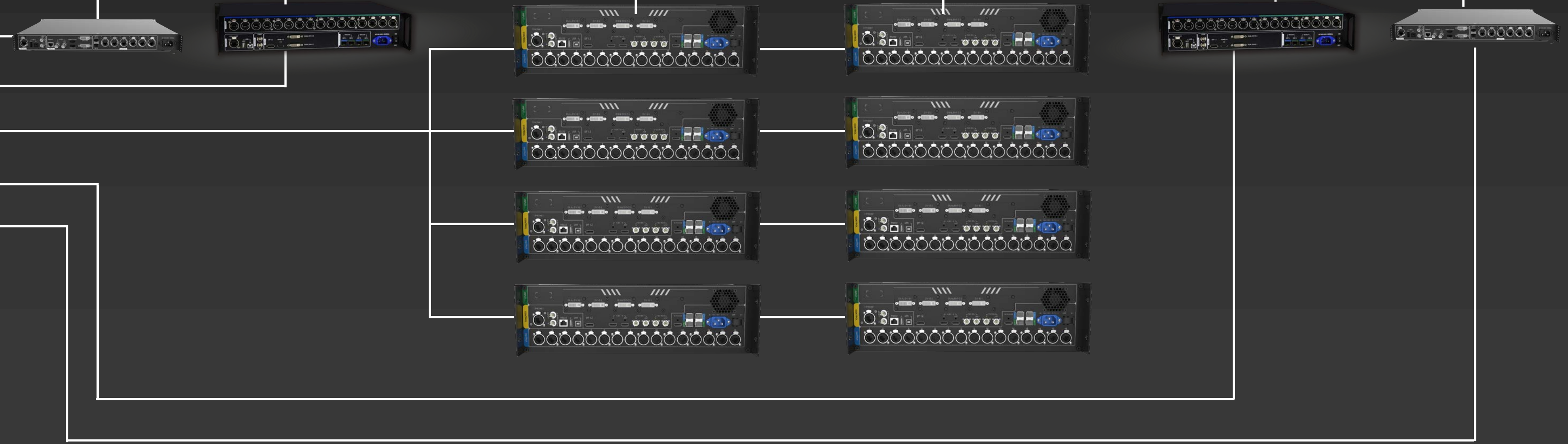
1920\*3840

How do we manage screens like this?

- DVI
- HDMI
- DP
- IP
- VGA
- CVBS
- SDI



Video Processor





~~Too many devices  
Too many cables  
Compatibility issue  
Image tearing~~



# H Series

Screen management system



**Most integrated,  
Modular design,  
4K/8K and more,  
Extreme user friendly.**

# 1st generation all in one

VX4s



Pro HD



=

MCTRL660



+

Video Processor





# 2nd generation all in one



+



2nd generation all in one



Screen magt. system

**H Series**





# Modular Design

# Inputs

***HDMI 2.0 & 1.3***

***DP1.2 & 1.1***

***3G & 12G SDI***

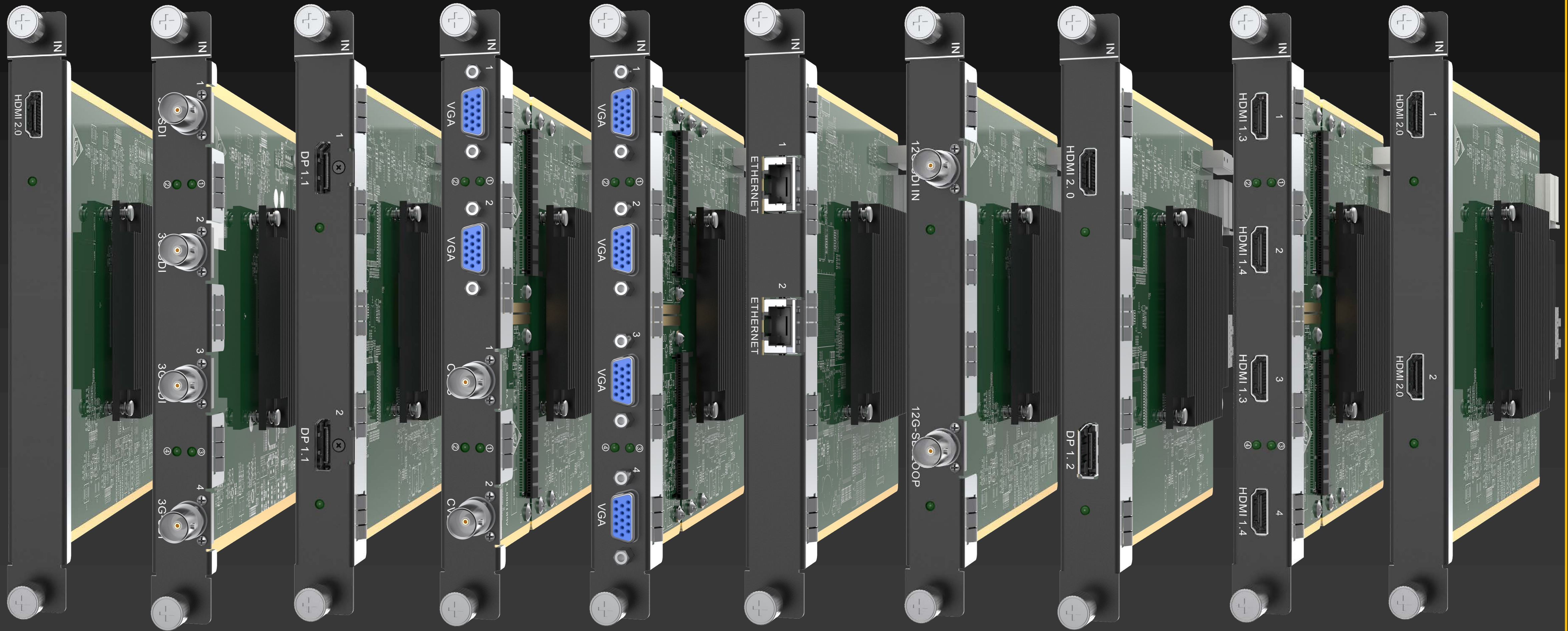
***DVI***

***IP stream***

.....



# Input Cards





# Outputs

**16 RJ45 + 2 OPT**  
**20 RJ45**  
**MVR card**



208,000,000 pixels

=

20 x NovaProUHD JR

**Real 4K and even much larger**

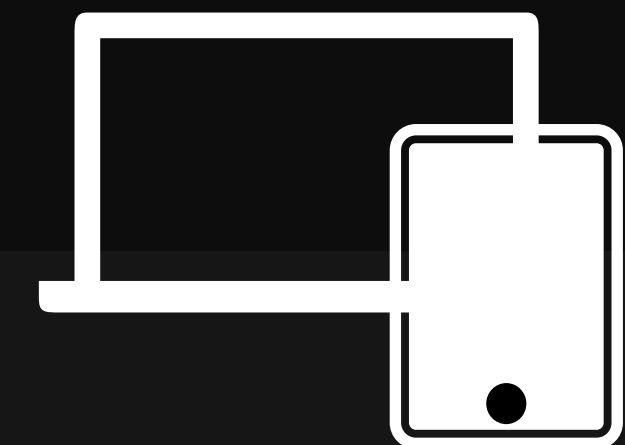
# Free Layers (Size & Position)



**16 x 2K**  
**4 x 4K**

Per output card





# Web Control

Browser window: Not Secure — 113.200.54.59

Navigation: File Station | Video Wall Splicer

Menu: Configuration | Programming | Multiviewer | Device | Settings | English/英语

Output Connector

- OUT 1: output 11-1, 3840x2160@60Hz, slot 11-1
- OUT 2: output 13-1, 3840x2160@60Hz, slot 13-1
- OUT 3: output 15-1, 3840x1920@60Hz, slot 15-1

Screen 1 (645,1445)

3840x1000@60Hz Output 11-1

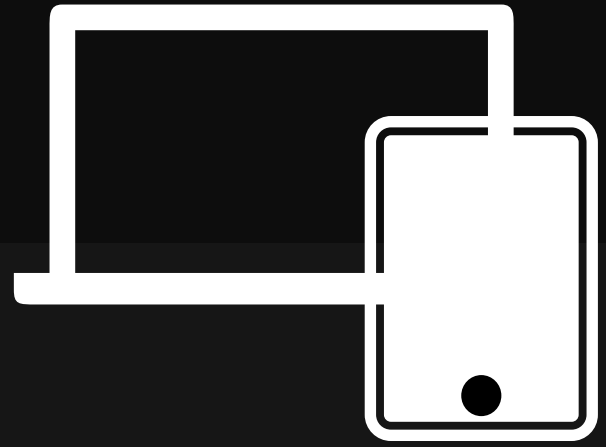
3840x1920@60Hz Output 15-1

3840x2160@60Hz Output 13-1

40% zoom

X: 0 px, Y: 0 px, Width: 3840 px, Height: 1920 px, Pitch: 2 mm

Buttons: Clear, Save



# Web Control

Input Crop

Name TB3-crop-1 10/25

X 186 px Y 178 px

Width 855 px Height 542 px

OK Cancel

Input cropping

New User

\* User Name

e

\* Password

Phone

Email

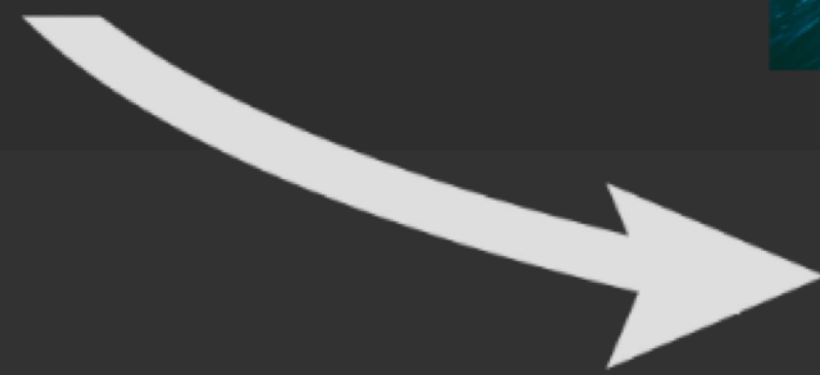
Validity  Valid  Invalid

Authority  All

- Configuration Module
- Programming Module
- Multiviewer Module
- Device Module
- Settings Module
  - EDID Management  User Management
  - Backup Management  Communication Settings
  - Firmware Update  IPC Management  Reset
  - Other

OK Cancel

Multi users



up to **2000** presets  
0-1s custom transition time



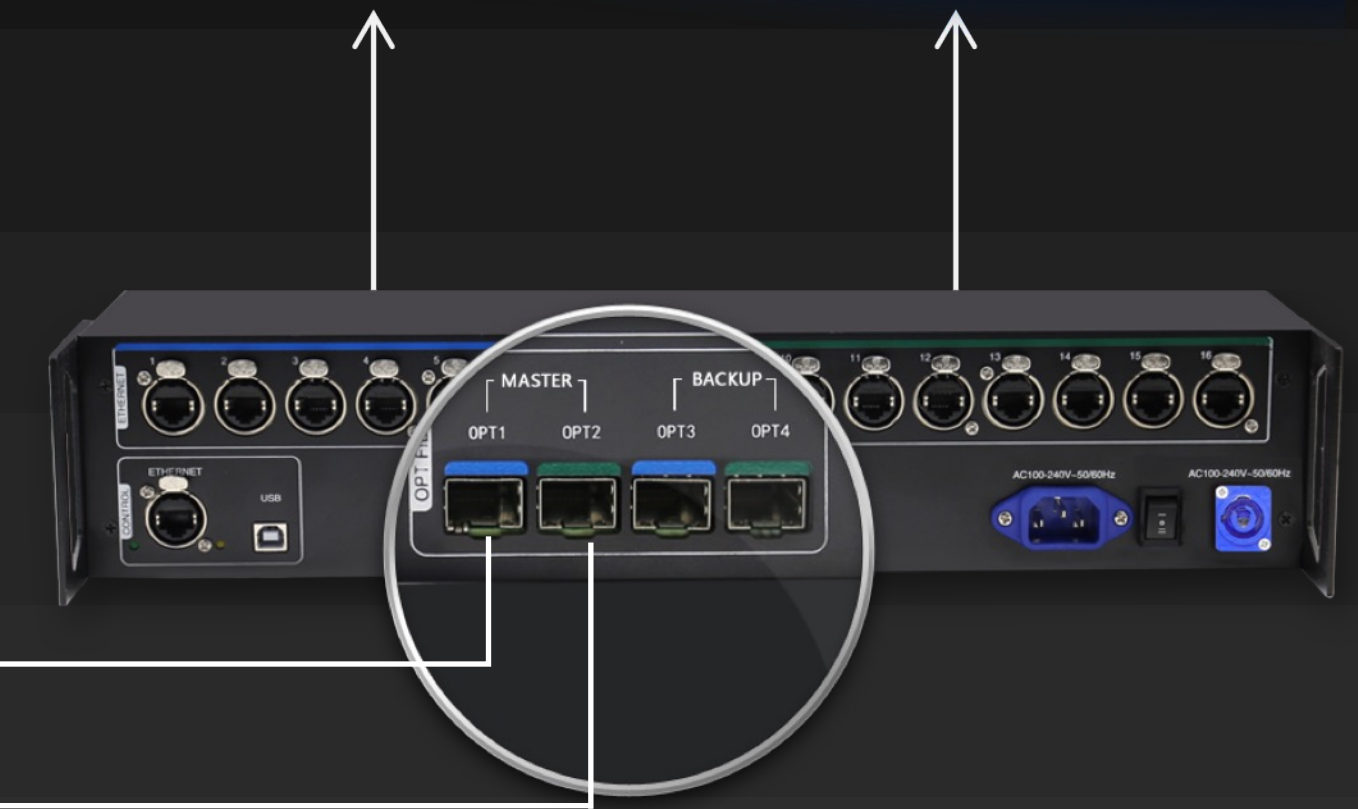


# Input & Output Multi-viewer

# Fiber Solution



Up to 10km



**H5**

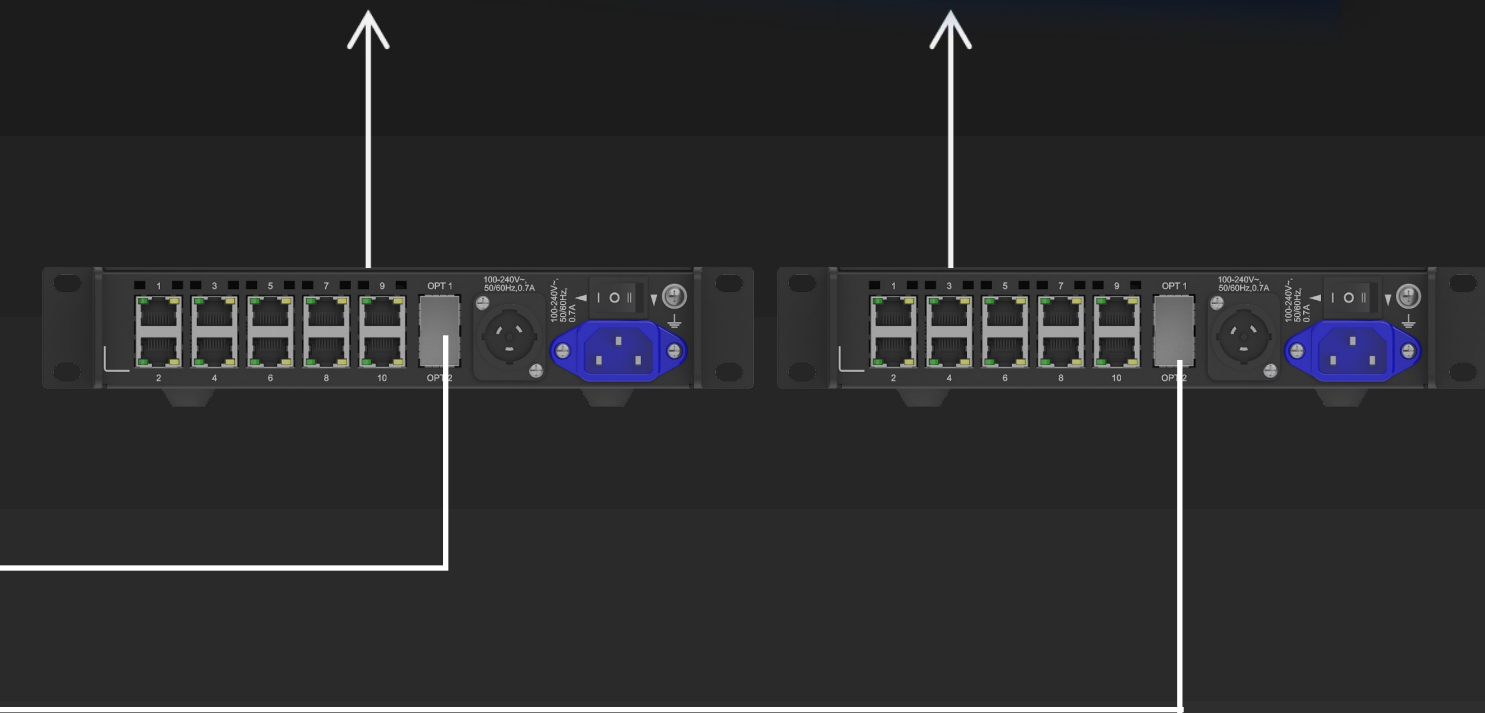
**10G SFP Per Channel**  
Each = **8** Ethernet ports

**CVT4K**

# Fiber Solution



Up to 10km

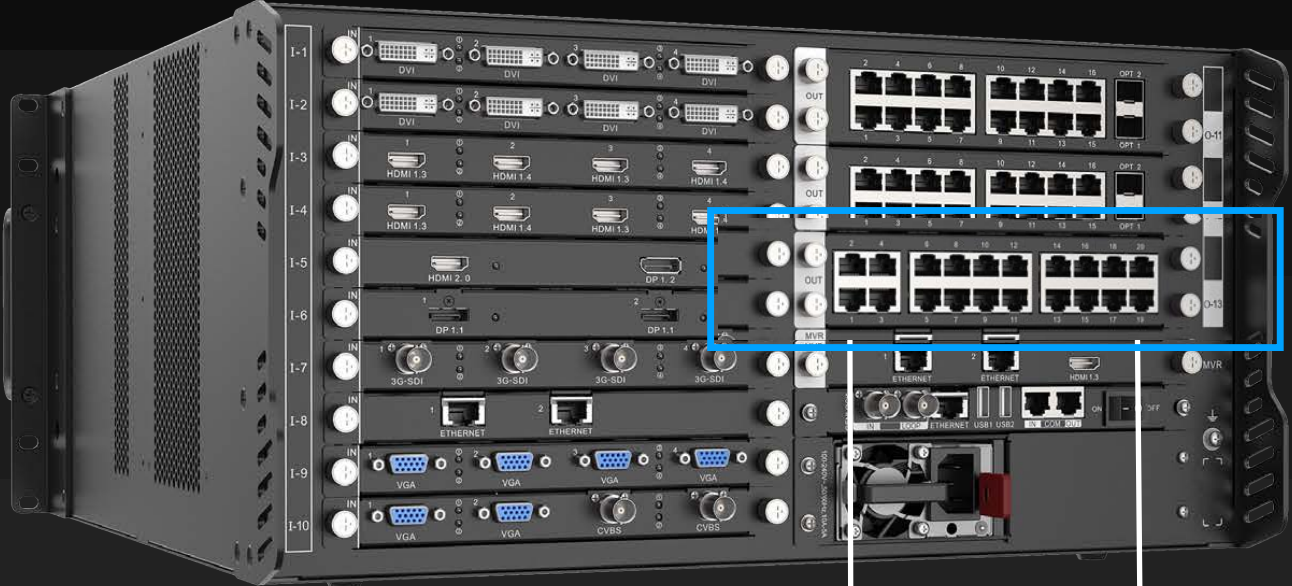


**H5**

**10G SFP Per Channel**  
Each = **8** Ethernet ports

**CVT10**

# Fiber Solution



H5



Up to 10km

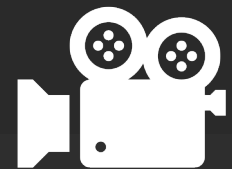
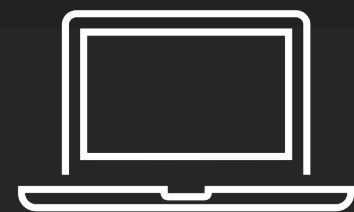
CVT10

10G SFP Per Channel  
Each = **10** Ethernet  
Ports

CVT10

# Backup Solution

Video Inputs



Primary

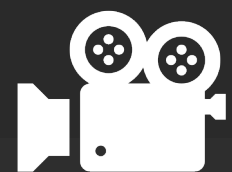
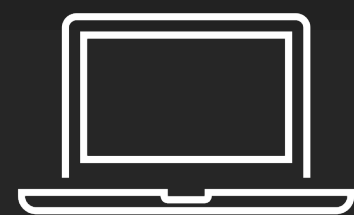


Port Backup



# Backup Solution

Video Inputs



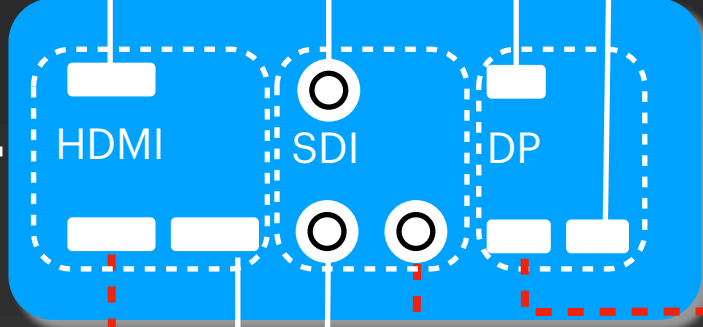
Primary



Card Backup

# Backup Solution

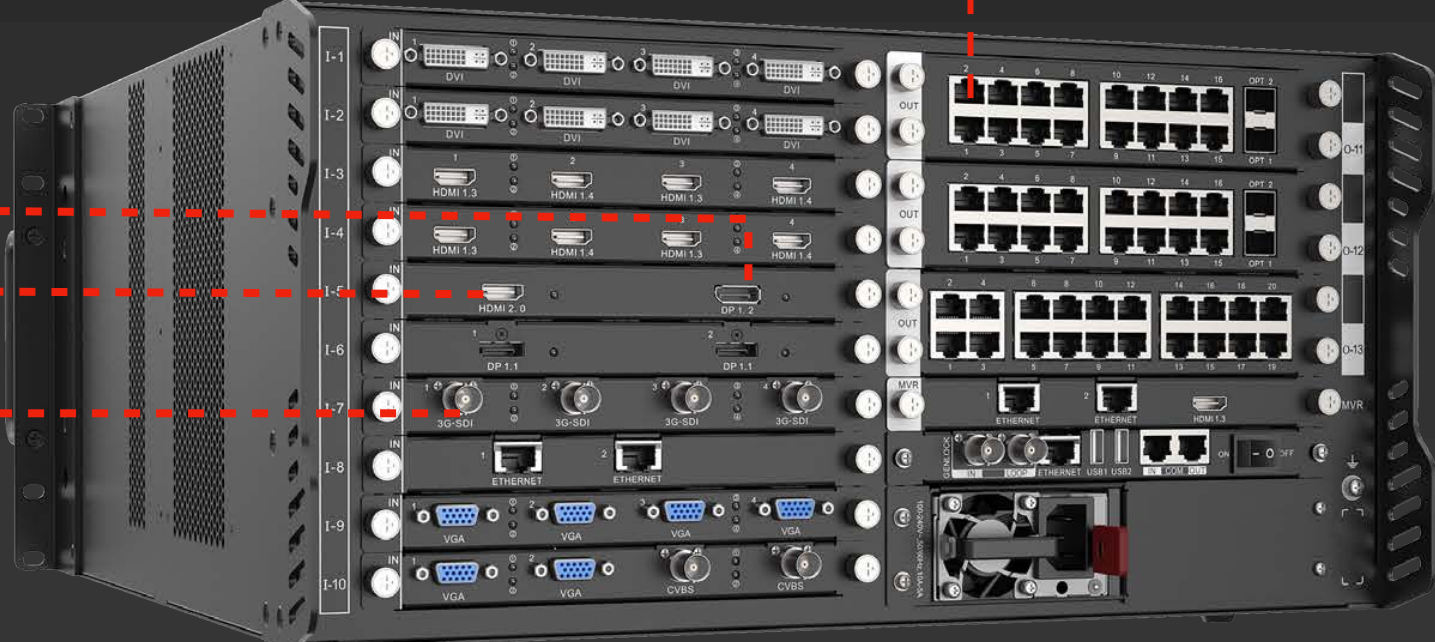
Video Inputs



Primary



Backup



Splitter

EDID Management

IPC Management

User Management

Backup Management

Communication Settings

Firmware Update

Reset

Other

About Us

Performance

Play video streaming in editing area

Enable Genlock

Preset

Transition  Cut

Fade

Duration 0.4

Display preset ID

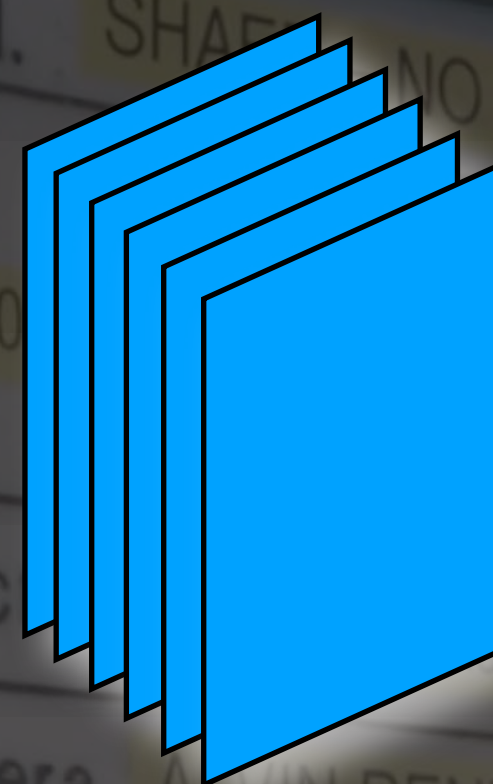
Enable device backup

Enable device backup

# XR Application



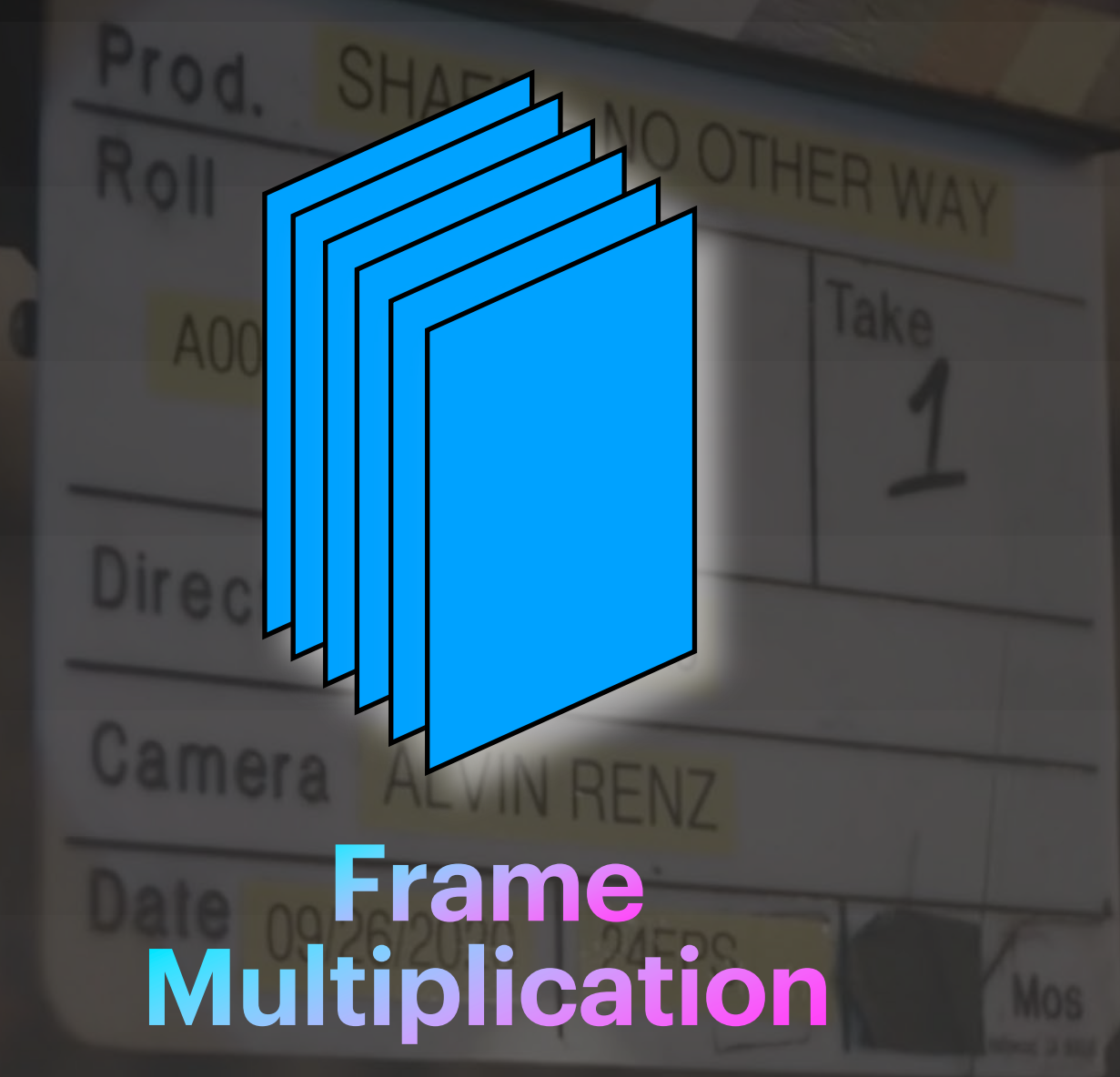
Genlock  
Phase Offset



Frame  
Multiplication



HFR



# Genlock Phase Offset



HOME SENSOR

Image sharpness set/active +0 /+0

Image detail set/active +0 /+0

MEN U Genlock sync Off

Sync shift (+0.000 us) RET/SYNC IN TC IN

Mirror image

User pixel masking →

BACK

The image shows a camera's menu system. The 'HOME' button is at the top left. The 'SENSOR' menu is open, showing options for 'Image sharpness set/active', 'Image detail set/active', 'Genlock sync', 'Sync shift (+0.000 us)', 'Mirror image', and 'User pixel masking'. The 'Genlock sync' option is highlighted in yellow and set to 'Off'. A sub-menu for 'Sync shift' is open, showing 'RET/SYNC IN' and 'TC IN'. The 'M' 'E' 'N' 'U' buttons are visible on the left side of the screen. The 'BACK' button is at the bottom left.



# Genlock Phase Offset

Configuration Programming Multiviewer Device Settings

English/英语 admin

Output Connector

New Screen Screen 1

OUT 1 4K output 13-1 3840x2160@60Hz slot 13-1

OUT 2 4K output 15-1 3840x2160@60Hz slot 15-1

Enable Genlock Phase Offset

Basic Info Test Pattern Color

H Spacing 0 (-200, 200)

V Spacing 0 (-200, 200)

3D

Turning on 3D mode halves output capacity.

3D Format Side-by-Side Top-and-Bottom

Eye Priority Right Eye Left Eye

Right Eye Start 960 DP

3D Emitter

Enable Third-Party Emitter

Signal Delay 7 ms 0 us

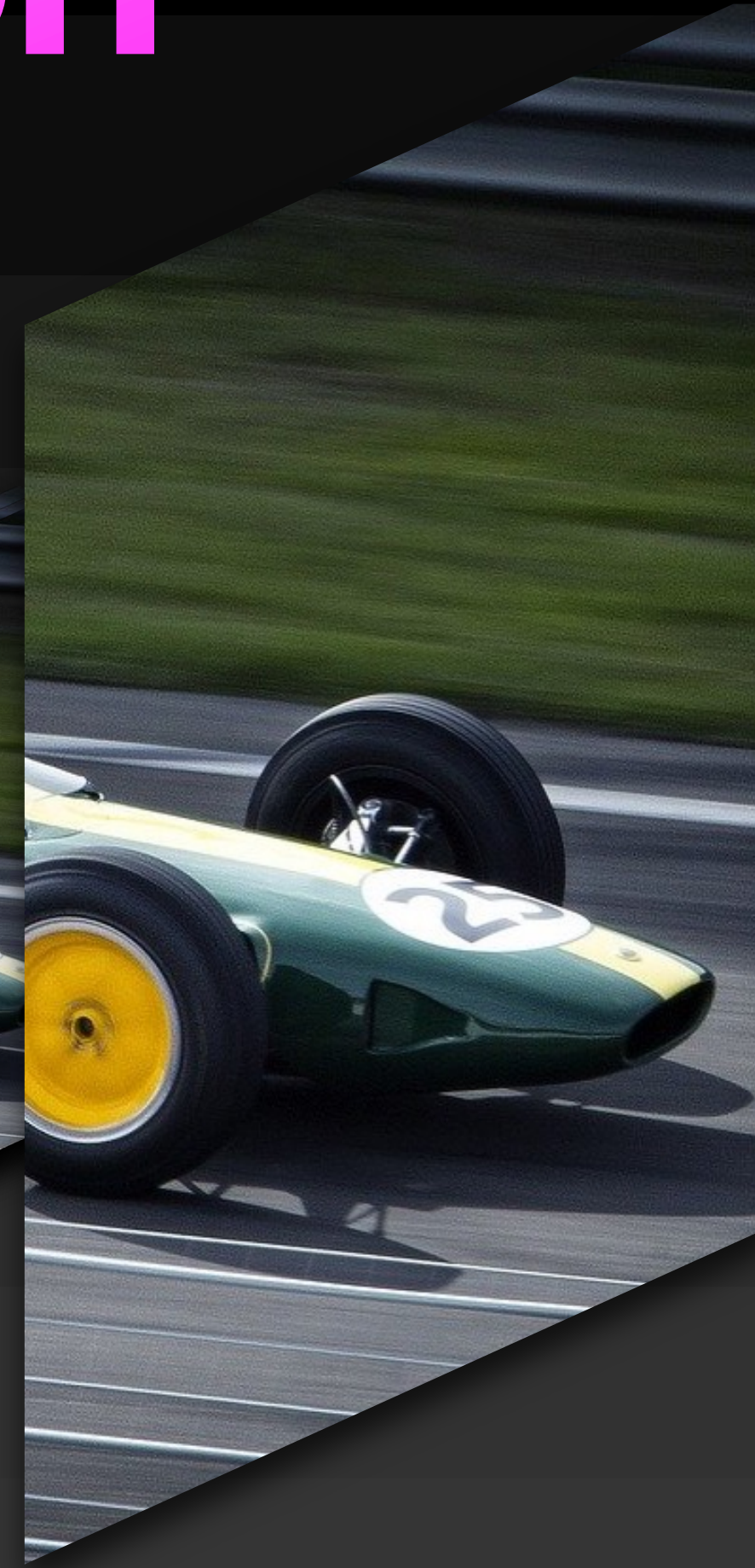
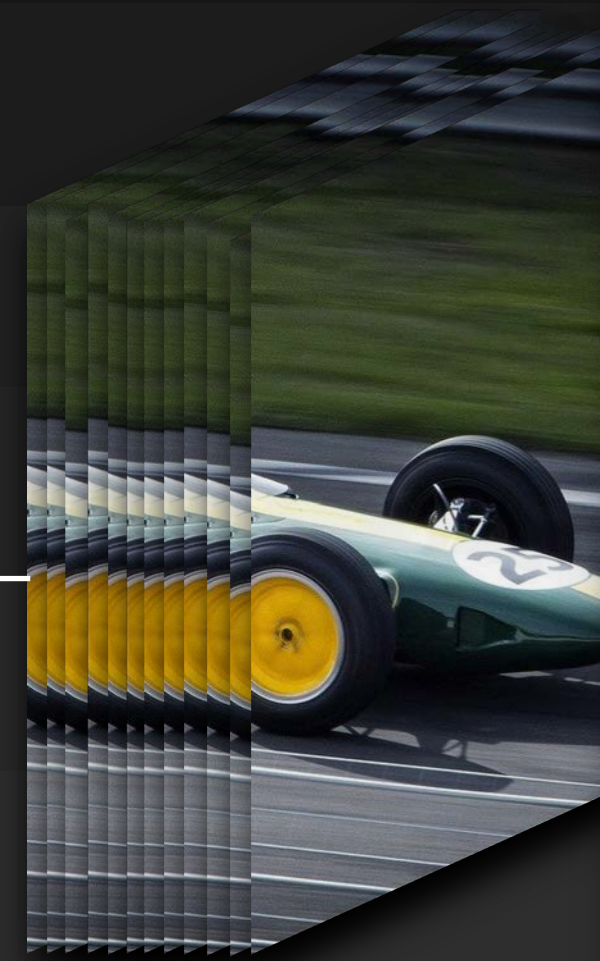
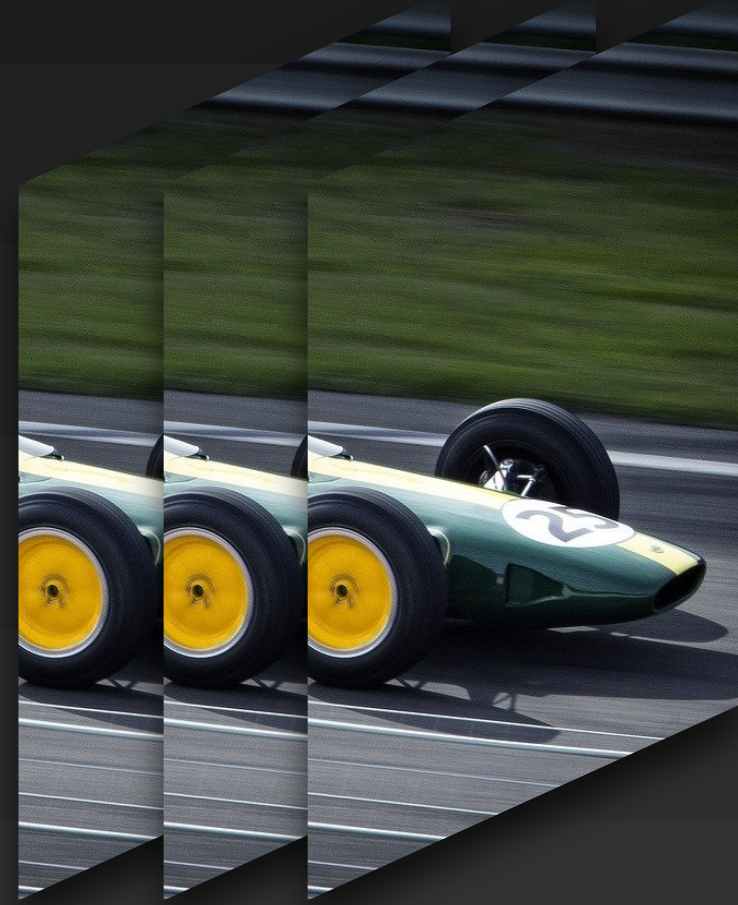
Reset

Enable Genlock Phase Offset

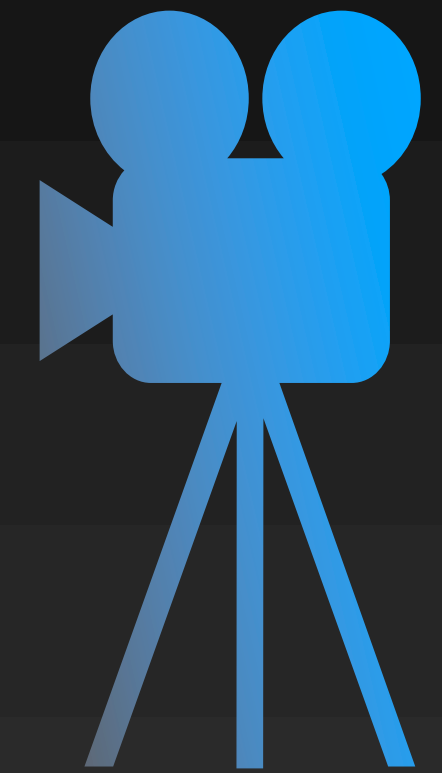
Phase Offset 0 us

X 0 px Y 0 px Width 0 px Height 0 px Pitch 2 mm Clear Save Locate

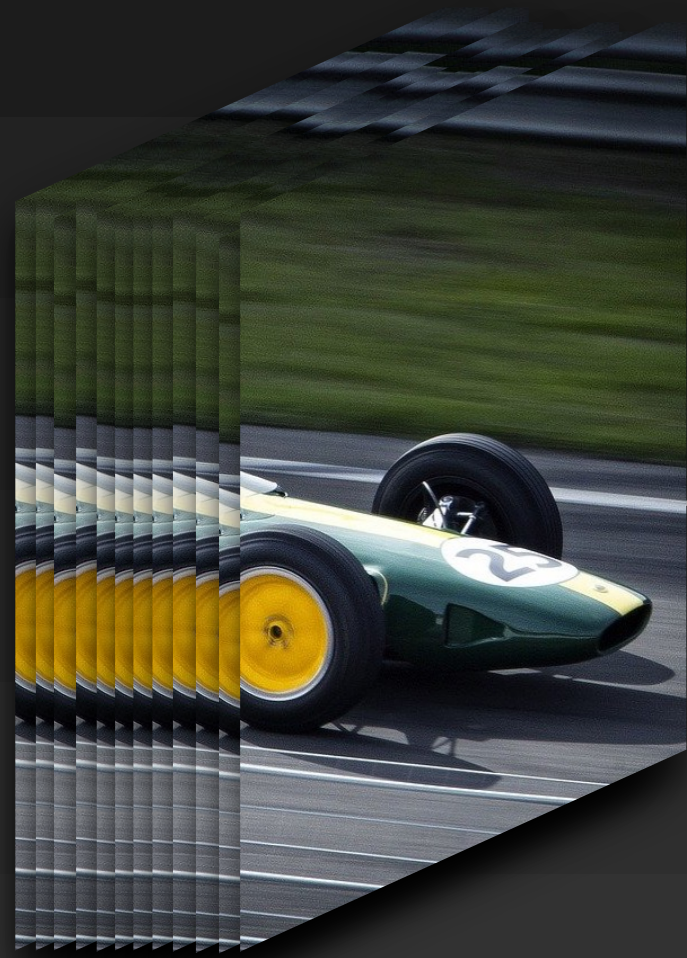
# Frame Multiplication



4 times



# HFR-144Hz







**Low  
Latency**

**SYNC**

**HDR**

**3D**



	H2	H5	H9	H15	H15 Enhanced
Chassis	2U	5U	9U	15U	15U
Max. Input Cards	4	10	15	30	30
Max. Output Cards	2	3	5	10	16
Max. Layers	32	48	80	160	160
Max. Loading Capacity	26,000,000 pixels	39,000,000 pixels	65,000,000 pixels	130,000,000 pixels	208,000,000 pixels

# Cases



Diamond View

FL, USA

H9



P2.0

P1.86

P1.667

P1.583

P1.25

**NOVA** STAR

**Thanks!**