

# MX40 Pro



## Specifications

<b>Loading Capacity</b>	8.8 million pixels				
<b>Maximum Width &amp; Height</b>	Maximum width: 10240 pixels		Maximum height: 10240 pixels		
<b>Inputs</b>	3 × HDMI 2.0		1 × DP1.2	1 × 12G-SDI	
<b>Outputs</b>	20 × EtherCON	4 × OPT Slots	3 × HDMI 2.0 LOOP	1 × 12G-SDI LOOP	1 × SPDIF OUT
<b>Control</b>	Ethernet				
<b>GENLOCK</b>	Bi-level, Tri-level, Blackburst				
<b>Input Bit Depth</b>	8bit / 10bit / 12bit				
<b>Adaptive Frame Rate</b>	23.98 / 24 / 25 / 29.97 / 30 / 47.95 / 48 / 50 / 59.94 / 60 / 72 / 75 / 100 / 119.88 / 120 / 143.86 / 144 / 240Hz				
<b>LCD Panel</b>	✓				
<b>3D</b>	✓				
<b>HDR</b>	✓				
<b>Low Latency (&lt;1ms)</b>	✓				
<b>Image Booster 2.0</b>	✓ (*Exclusively supported by specific Armor Series cards)				
<b>Dynamic Booster</b>	✓ (*Exclusively supported by A10s Pro)				
<b>Full Grayscale Calibration</b>	✓ (*Exclusively supported by A10s Pro)				



SERIES CONTROL SYSTEM

CREATIVITY UNLEASHED

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VMP is an all-new display control software that integrates design, management, and monitoring into one single platform.

When paired with the flagship MX Series controller and A10s Pro receiving card, an incredibly professional LED solution is realized, providing stunning image quality, precise color adjustment, and an intuitive software experience.

This represents a totally new solution for managing large high-end applications such as fine-pitch LED installation, studio broadcasting, tours, corporate events, virtual production and E-sports.

# VMP

SOFTWARE

# MX

SERIES CONTROLLER

# A10s Pro

RECEIVING CARD



## Scenario





# STUNNING

STUNNING IMAGE QUALITY WITH ENHANCED DETAILS.

## Dual boosters for exceptional image display

Utilizing Image Booster 2.0 and our Dynamic Booster, grayscale performance, color performance and contrast ratio are dramatically improved.



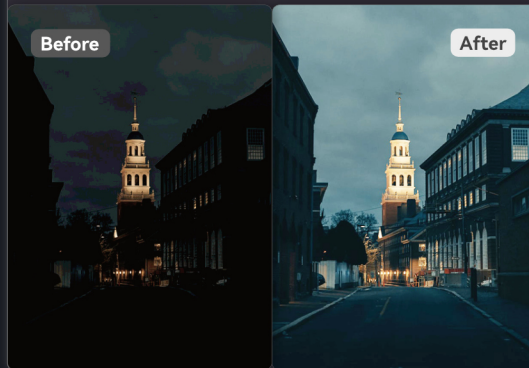
Image Booster



Dynamic Booster

### Fine grayscale

22bit+, 64 times dynamic contrast improvement, 0.002nits precise control, ultra-precise image for stunning realization.



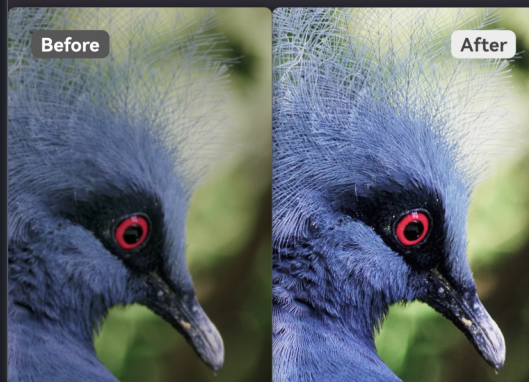
### More realistic color

Fully automated color standardization, calibration and verification, self-adapts to color gamut,  $\Delta E < 2$ .



### Higher contrast ratio

By enhancing the brightness and shadow details to the ideal level, SDR source can present HDR-like effect, making the white brighter and the black darker.



### Power saving with dynamic algorithm

With real-time analysis, brightness is adjusted dynamically frame by frame, saving 20%-40% power, so that the lifespan of LED screens will be extended in the long run.



#### Test items

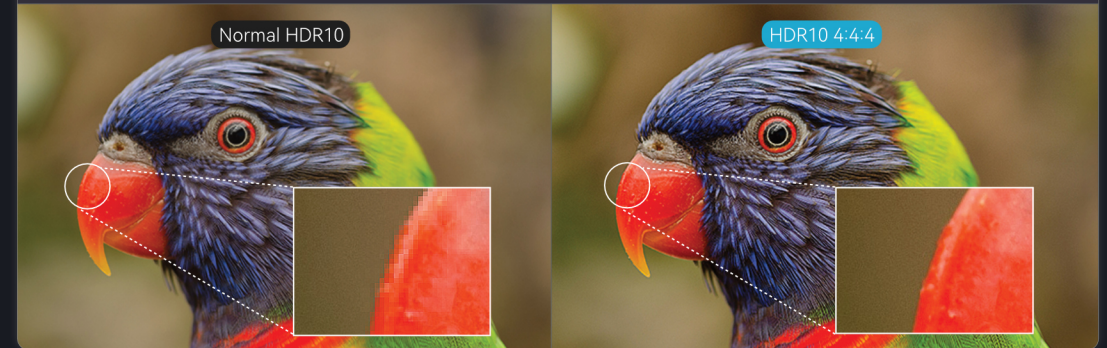


HDR10

HDR10 4:4:4

Virtual production with more realistic immersion

> The only comprehensive 4K@60Hz 10bit 4:4:4 solution in the industry presents an ideal environment for virtual production that puts you in the scene, representing a new evolution in HDR applications.



240 Hz



Flexible frame rate for smoother visuals

> Supports 240Hz high frame rate, frame multiplication, frame multiplexing and adaptive frame rate, providing a super smooth filming.





# FLEXIBLE

FLEXIBLE COLOR ADJUSTMENT FOR PERFECT MATCH



## Color adjustment at your fingertips

Supports independent adjustment of 14-channel color without affecting any other colors.

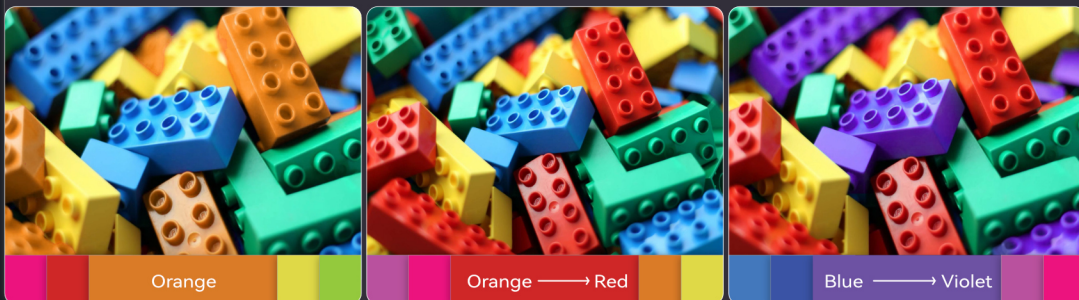
### > Color Replacement

Supports unrestricted color replacement, with no impact on other colors.



### > 14-channel Color Correction

Precise adjustment of hue, saturation, RGB brightness of primary, secondary and tertiary colors plus black and white, ensuring perfect colors to match their intended beauty.



## Color adjustment for creative scenes

Curve adjustment and importing of 3D LUT files let you manipulate color in creative and artistic ways just like a Hollywood colorist.



### Curve

Channel: White

Input: 131 Output: 241

### 3D LUT

CyberPunk.CUBE  
Cyberpunk from night

Intensity: 100%

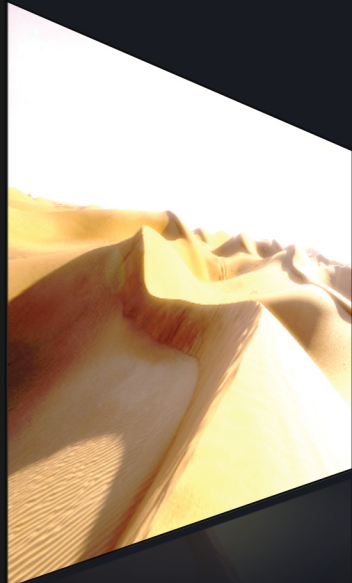




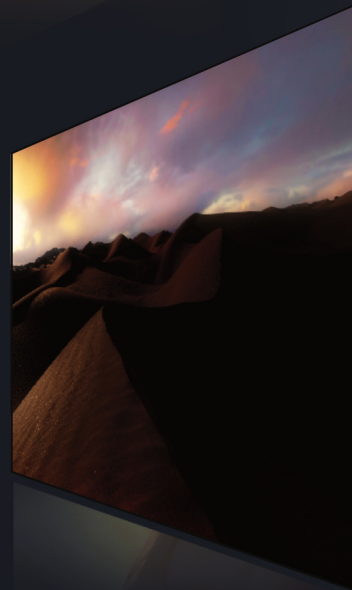


## Black level & contrast for impressive details

Allows independent adjustment of brightness and grayscale, avoiding overexposure in bright content but delivering rich details in dark content.



• No overexposure in brights



• No loss of details in shadows

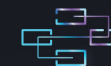
# INTUITIVE

INTUITIVE INTERFACE FOR EASY CONTROL



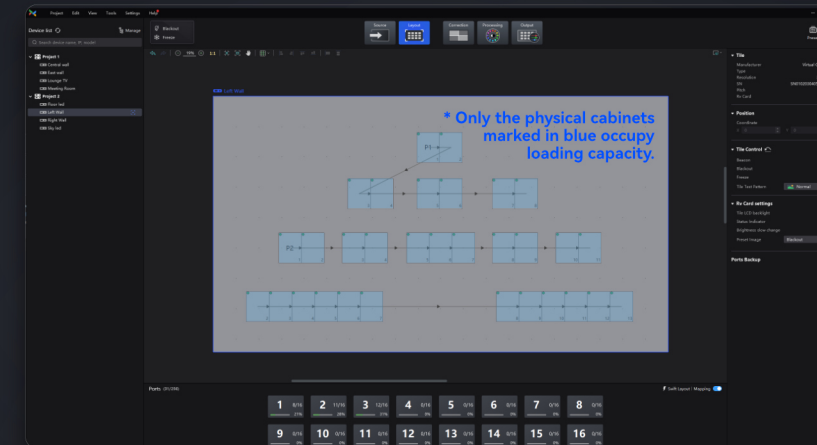
## Quick and easy screen mapping

Screen mapping can be done easily on the software canvas with a mouse. Auto detection of connected devices and exporting of screen mapping file in advance serve to greatly increase operational efficiency.



## Free from rectangular calculation, maximizing the capacity

Loading capacity is calculated by the physical cabinet pixels, free from rectangular limitation, helping maximize the loading capacity of controllers. No more capacity waste from leaving blank or irregular shape designs. Create without limits!





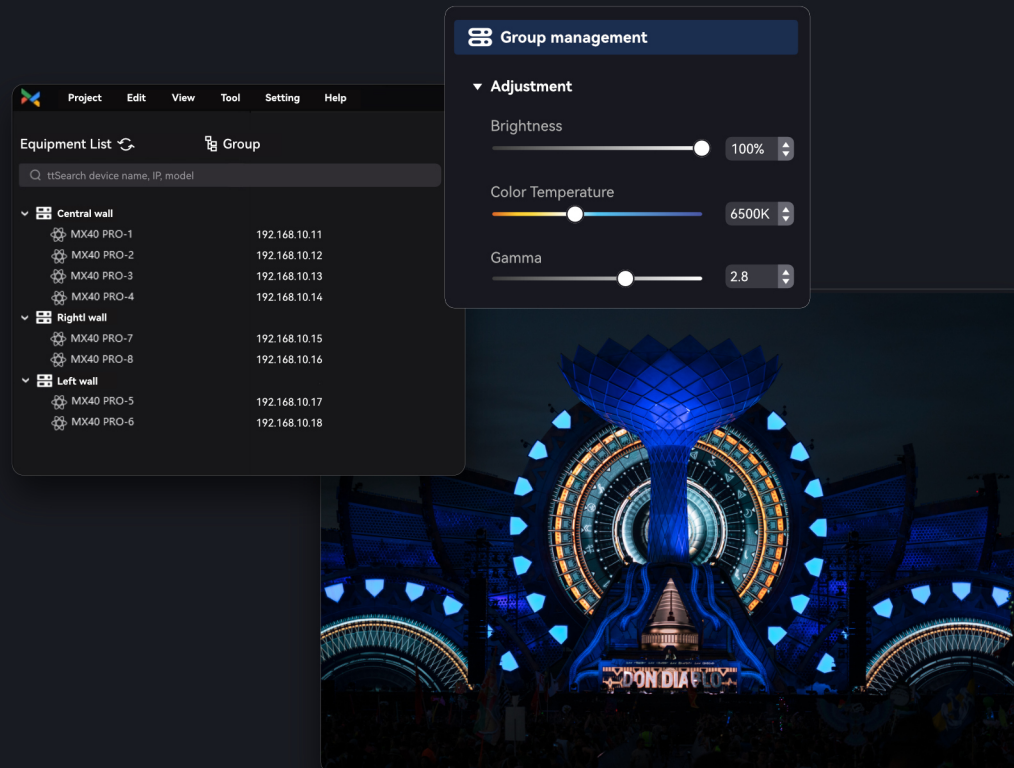
## Finder tool for quick adjustment

With the finder tool, cabinets and controllers can be located quickly. After receiving command from VMP software, LED screen will show the position of specific cabinets and controllers accurately, making relevant adjustment much quicker and easier.



## Group management made easy

All devices are grouped by screens, making multiple screen management easier and more efficient than before.



## Visualized seam correction

Seam correction can be completed rapidly with the interactive and visualized design.



## One-click switch between presets

Easy and seamless switching to your preferred presets with just one click.



## What you see is what you get

Source preview allows you to see the LED display video content in the software canvas, making your job easier than ever.

