

MX40 Pro



Specifications

Loading Capacity	8.8 million pixels				
Maximum Width & Height	Maximum width: 8,192 pixels		Maximum height: 8,192 pixels		
Inputs	3 × HDMI 2.0		1 × DP1.2	1 × 12G-SDI	
Outputs	20 × EtherCON	4 × 10G OPT	3 × HDMI 2.0 LOOP	1 × 12G-SDI LOOP	1 × SPDIF OUT
Control	1G Ethernet, TCP/IP				
Genlock	Tri-level, Bi-level / Black burst				
Input Bit Depth	8bit / 10bit / 12bit				
Adaptive Frame Rate	23.98 / 24 / 25 / 29.97 / 30 / 47.95 / 48 / 50 / 59.94 / 60 / 72 / 75 / 100 / 119.88 / 120 / 143.86 / 144 / 240Hz (*Exclusively supported by A10s Pro)				
No Rectangle Limitation	√ (Exclusively supported by A10s Pro)				
3D	√				
HDR	HDR10 / HLG				
Low Latency (<1ms)	√				
Image Booster 2.0	√ (*Exclusively supported by A8s, A8s-N, A10s Pro)				
Dynamic Booster	√ (*Exclusively supported by A10s Pro)				
Full Grayscale Calibration	√ (*Exclusively supported by A10s Pro)				



SERIES SOLUTION

CREATIVITY UNLEASHED

Xi'an NovaStar Tech Co., Ltd.



Xi'an Headquarter Office

DEF101, Lingyi Square, Xi'an Software Park, #72 2nd Keji Rd, Xi'an, 710075, Shaanxi, China

+86-29-68216000

www.novastar.tech

Inquiry: info@novastar.tech

Support: support@novastar.tech

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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 high-end applications such as fine-pitch LED installation, studio broadcasting, touring, corporate events, virtual production and E-sports.

VMP

SOFTWARE

MX

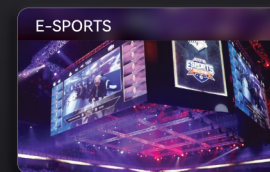
SERIES CONTROLLER

A10s Pro

RECEIVING CARD



Scenarios



STUNNING

STUNNING IMAGE QUALITY WITH ENHANCED DETAILS

Dual boosters for exceptional image display

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



Image Booster



Dynamic Booster

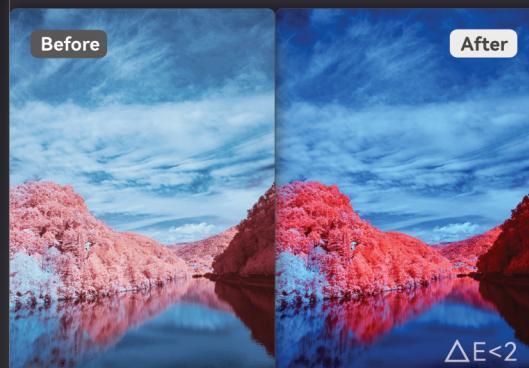
Fine grayscale

22bit+, 64 times grayscale improvement, 0.002nits precise control, ultra-precise image for stunning realism.



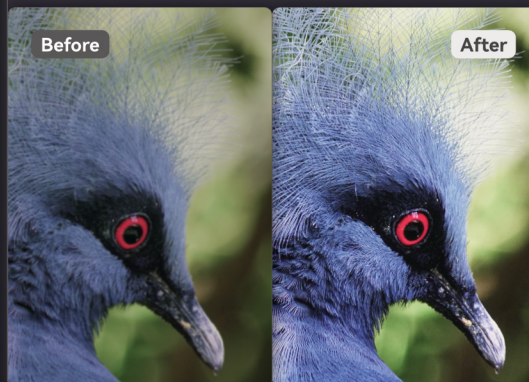
More realistic color

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



Higher contrast ratio

By enhancing bright and dark content details to the ideal level, an SDR source can deliver HDR-like effect, ensuring no overexposure in bright areas and no loss of detail in shadows.



Power saving with dynamic algorithm

With real-time analysis, brightness is adjusted dynamically frame by frame, saving 20%-40% power, extending the lifespan of an LED display.



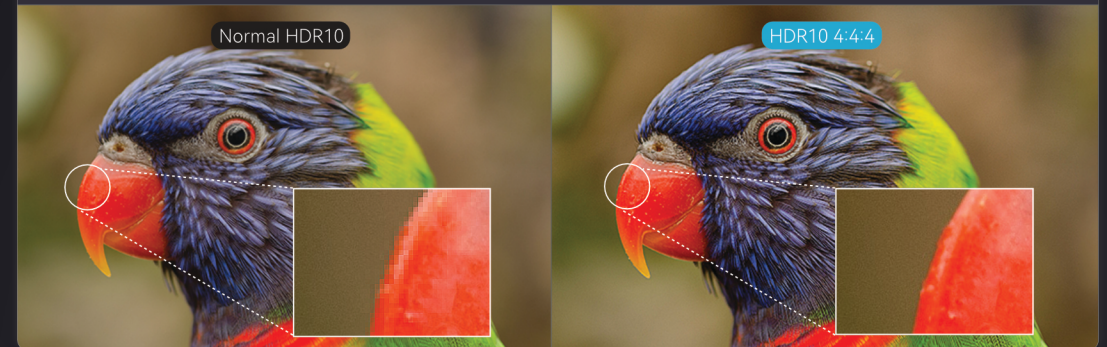
Test items



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.



Flexible frame rate for smoother visuals

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



PERCEPTUAL

PERCEPTUAL COLOR CONTROL ON SCREEN

Color adjustment at your fingertips

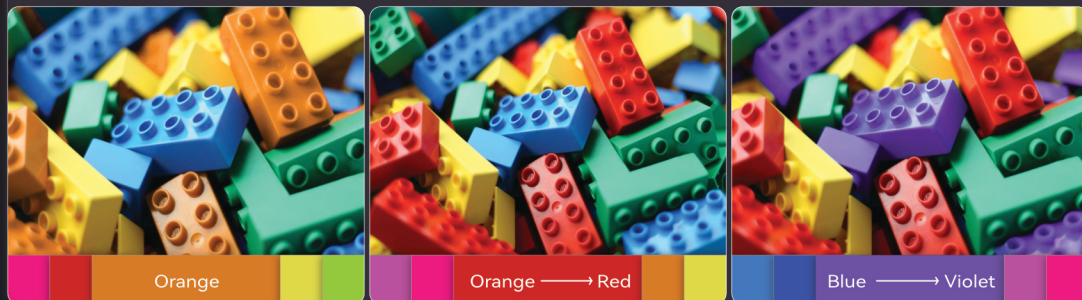
> Color Replacement

Supports unrestricted color replacement, with minimal impact on other colors.



> 14CH Color Correction

Precise adjustment of hue, saturation, and brightness of primary, secondary and tertiary colors, with basic adjustment of black and white, ensuring perfect colors that retain their intended beauty.



Color Curve & 3D LUT for creative scenes

Curve adjustment and importing of 3D LUT files let you manage 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

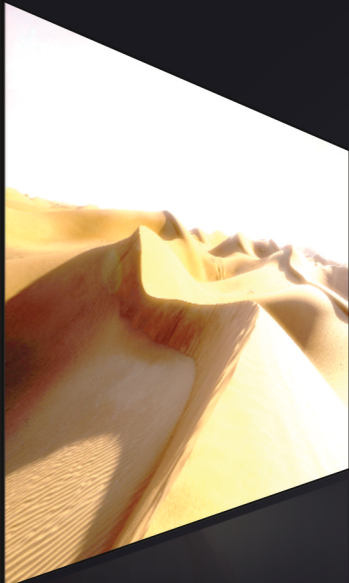
Intensity: 100%





Contrast & Black Level for impressive details

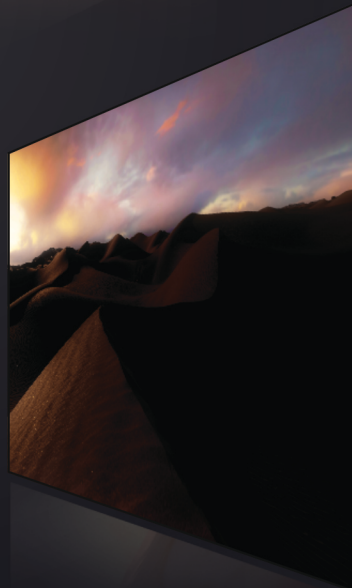
Allows independent adjustment of highlights and shadows by contrast and black level, avoiding overexposure in bright content but delivering rich details in dark content.



• No overexposure in brights



• No loss of details in shadows



INTUITIVE

INTUITIVE INTERFACE FOR EASY CONTROL



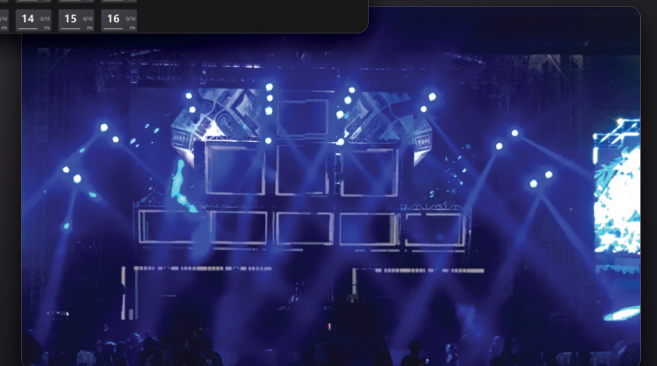
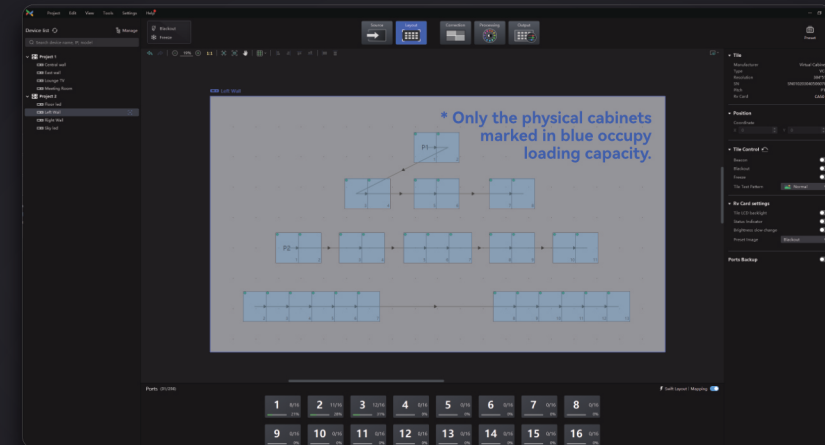
Quick and easy screen mapping

Screen mapping can be done easily on the software canvas with a mouse. Auto detection of connected cabinets 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! (*Exclusively supported by A10s Pro)





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.



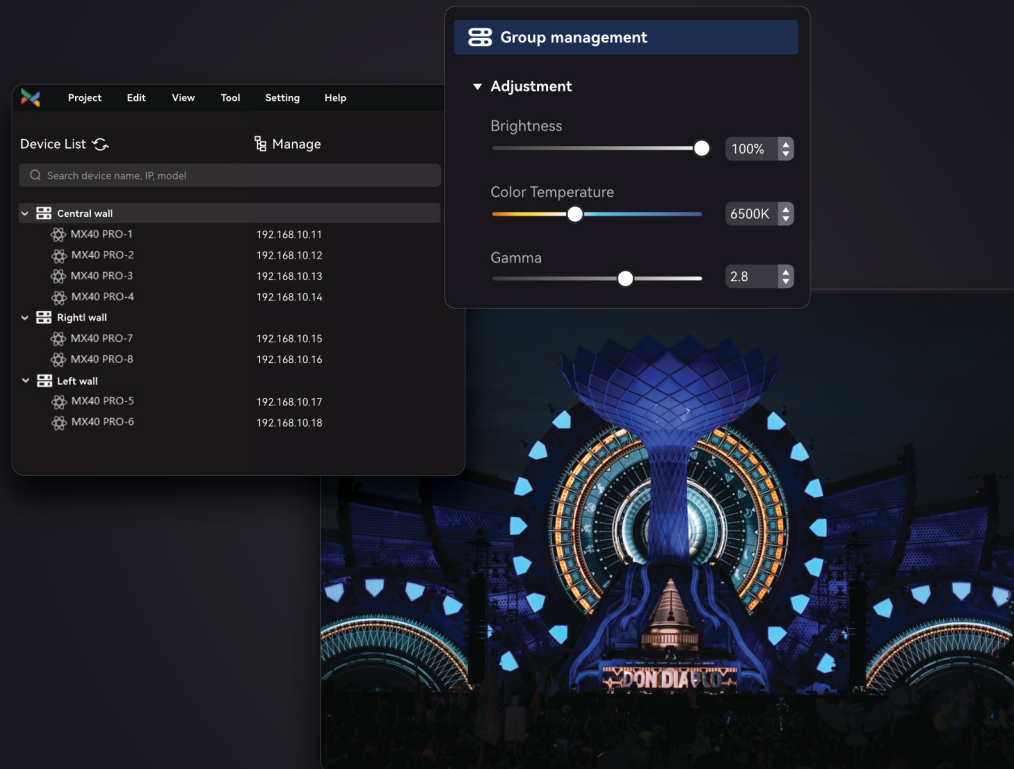
Visualized seam correction

Seam correction can be completed rapidly with an interactive and visualized design. Visually locate and select the seams simply by using a cursor, then directly view the screen to adjust the seams in the software, greatly improving efficiency.



Group management made easy

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



Scenario presets

Save all parameters of inputs and outputs into presets, providing quick and easy retrieval with a single click.



What you see is what you get

Canvas monitor and source preview allow for recognition of screen display status in real time and easy fitting of content to screen.

