



MCTRL4K

Video Processors



#MCTRL4K

The MCTRL4K is an LED display controller with ultra-large loading capacity developed by NovaStar. A single unit features a loading capacity of up to 4096×2160@60Hz. It supports any custom resolutions with the maximum width or height up to 7680 pixels, meeting the on-site configuration requirements of ultra-long or ultra-wide LED displays.

Input Compatibility

HDMI 2.0

8 bit: 4096×2160@60Hz (via NVIDIA graphics card)
10 bit: 3840×1080@60Hz
12 bit: 4096×2160@60Hz (via NVIDIA graphics card)

DP 1.2

8 bit: 4096×2160@60Hz (via NVIDIA graphics card)
10 bit: 3840×1080@60Hz
12 bit: 4096×2160@60Hz (via NVIDIA graphics card)

Dual-link DVI

8 bit: 3840×1080@60Hz



Processing Features

HDR

Supports 10-bit HDMI input sources only.
The loading capacity of each Ethernet port is reduced by half.
Supports A8s and A10s Plus receiving cards only.

3D

When the input source is DVI, DVI1 loads the images for left eye, and DVI2 loads the images for right eye.
When the advanced screen configuration is enabled, 3D function is not supported.
The loading capacity of each Ethernet port is reduced by half

Low Latency

Supports HDMI and DP input sources only.
Each Ethernet port must load panels vertically.

Calibration

10bit/12bit, HDR, 3D, image settings

Genlock

Low latency

Electrical

Input Voltage

100-240VAC, 50/60 Hz

Rated Power Consumption

30W

Environmental

Operating Temperature

-20°C – 60°C

Operating Humidity



10-90% RH, non condensing

**Storage
Temperature**

-20°C – 70°C

Physical

Dimensions

482.6 x 370 x 96 mm

Weight

4.6 kg

Certifications

