

MCTRL R5

Independent Controller



MCTRL R5 is an independent master controller developed by NovaStar with an epoch-making significance. Its flexible rotation function allows users to make their LED displays more creative. The loading capacity of a single unit is up to 3840x1080@60Hz. MCTRL R5 can meet the on-site requirements of oversized LED displays. With a unique innovative design, it enables screen configuration any time without the need for a computer. Various video inputs such as HDMI, dual-link DVI, SDI and outputs of 8-channel Neutrik Gigabit Ethernet as well as 2-channel optical fiber are supported. MCTRL R5 also can serve as two independent controllers, which makes it more flexible to load LED displays and creates a stunning experience for users.

Features

- Complete video inputs: 6G-SDI, HDMI 1.4 x 1, dual-link DVI x 1.
- Supports 8-channel Neutrik Gigabit Ethernet outputs and 2-channel optical fiber outputs and the maximum loading capacity of a single unit is up to 3840x1080@60Hz.
- Images can be rotated with any angle at any area on the screen. Cabinet, port and screen rotation operation become much easier.
- Innovative design enabling smart configuration and greatly shortening the preparation time.
- Supports NovaStar's G4 engine to create stable and flicker-free pictures without scanning lines, and present smooth images with a good sense of layering.
- Supports NovaStar's latest pixel level calibration technology with a fast and efficient process.
- Enables white balance calibration and color gamut mapping based on the different features of LEDs on the display to ensure colors are faithfully reproduced.
- Screen configuration can be done at any time without the need for a computer.
- Manual adjustment of screen brightness with convenience and efficiency.
- Status display showing cabinet status in a more intuitive way.
- Multiple MCTRL R5 units can be cascaded for uniform control.

Appearance

Front panel



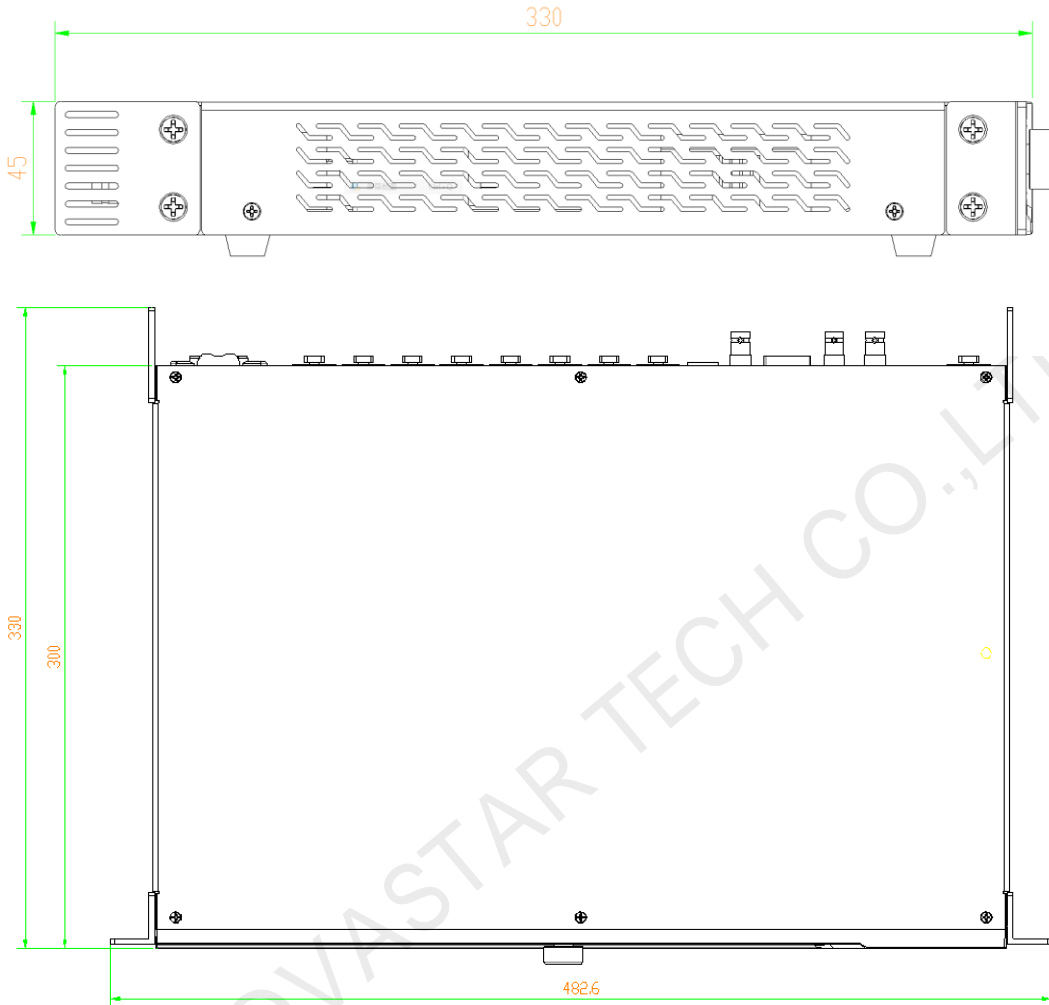
Rear panel



Specifications

Inputs		
Port	Qty	Resolution specifications
6G-SDI	1	SMPTE ST2081 standard Maximum supported resolution: 3840×2160@30Hz (downward compatibility)
HDMI	1	HDMI 1.4 standard Maximum supported resolution: 3840×1080@60Hz Maximum width and height are 3840 (downward compatibility)
Dual-link DVI	1	VESA standard Maximum supported resolution: 3840x1080@60Hz and 3840×2160@30Hz (downward compatibility)
Outputs		
Port	Qty	Resolution specifications
RJ45	8	Neutrik Gigabit Ethernet port
OPT	2	Optical fiber port, single mode and double fiber, LC port, 1310nm OPT1 is used for transferring the data of port 1-8 OPT2 is the backup channel of OPT1
Control		
Port	Qty	Description
ETHERNET	1	Control interface
USB	2	Control interface of upper computer and cascading interface
Genlock		
IN	Genlock type: Blackburst Genlock synchronizing signal keeping pictures being displayed on the screen in sync with external Genlock source.	
LOOP	Genlock loop out	
Overall Specifications		
Input power	AC 100-240V, 50/60Hz	
Overall power consumption	25W	
Operating temperature	-20~60°C	
Dimensions(L×W×H)	482.6×330×45(mm)	
Weight	4.6kg(10.14lb)	

Dimensions



Dimensions of MCTRL R5 (mm)



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