



Overview

The MCTRL600 is an advanced LED display controller developed by NovaStar for applications requiring support for extra-large display resolutions. The controller is equipped with HDMI and DVI video input interfaces and provides four Ethernet output ports for LED display data transmission. A single unit supports a maximum loading capacity of 2560 × 960 pixels. For larger display systems, multiple units may be cascaded to achieve synchronized and uniform control.

Features

- 1) HDMI/DVI input;
- 2) HDMI/external audio input;
- 3) 12bit/10bit/8bit HD video source;
- 4) Resolution supported: 2048×1152, 1920×1200, 2560×960;
- 5) Resolution supported: 1440×900 (12bit/10bit);
- 6) 1 light sensor interface;
- 7) Cascading supported;
- 8) 18bit gray scale processing and presentation;
- 9) Video format: RGB, YCrCb4:2:2, YCrCb4:4:4;
- 10) Standard 1U housing and independent power supply.

Appearance



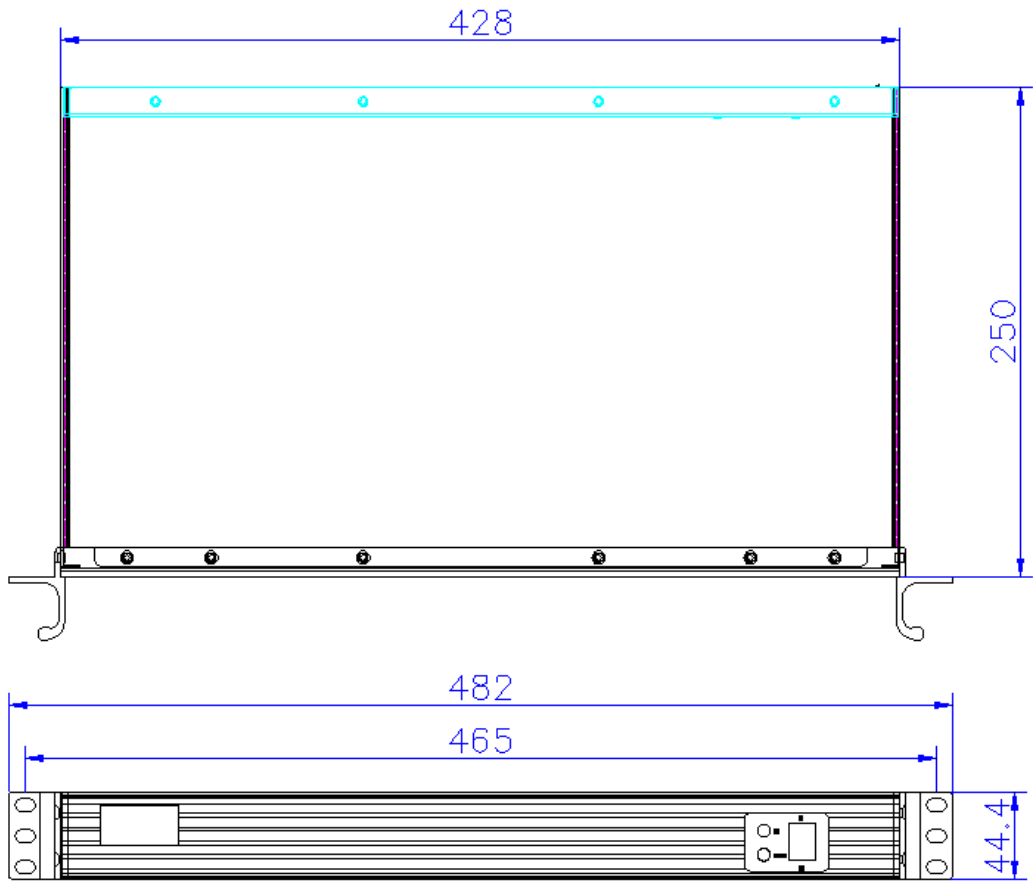
LED Indicator	
RUN	The RUN indicator operates at a slow flashing rate when no video source is detected, with a 2-second on and 2-second off duty cycle. When a valid video source is present, the indicator operates at a normal flashing rate of approximately 2 Hz. During system start-up screen display, the indicator operates at a high-frequency flashing rate. When redundancy is active, the indicator operates in a breathing-style illumination pattern.
STATUS	It is steady on when the equipment runs normally and flashes during authorization.



INPUTS	
AUDIO	Audio INPUT
DVI IN	DVI INPUT
HDMI IN	HDMI INPUT
LED Indicator	
Same as front panel	
OUTPUTS	
OUT1~ 4	4 LED OUTPUTS
Control	
USB	Connected to PC , USB Control interface
UART IN、 OUT	Cascaded INPUT, OUTPUT
Accessory	
LIGHT SENSOR	Connected to sensor
POWER	
AC-100-240V-50/60HZ	AC Power interface

Dimensions

19" 1U Standard Cabinet.



Unit: mm

Specifications

Input Index		
Port	Number	Resolution Specification
DVI IN	1	VESA Standard
HDMI	1	EIA/CEA-861 standard, in accordance with HDMI-1.3 standard, supporting HDCP

Specifications	
Overall power consumption	16W
Temperature of working environment	-20°C~60°C
Humidity of working environment	0%~95%
Net weight	2.7 Kg
USB Cable	1.5 M
DVI Cable	1.5 M

