

# DHI-LCS-M700

## LED Display Controller



Specifications

## Introduction

The DHI-LCS-M700 is an LED display controller. It supports 1x DVI input, 1x HDMI input, 1x audio input, and 6x Ethernet outputs. The maximum loading capacity of a single DHI-LCS-M700 is 1920x1200@60Hz.

The DHI-LCS-M700 communicates with PC via type-B USB port. Multiple DHI-LCS-M700 units can be cascaded via UART port.

The DHI-LCS-M700 can be mainly used in the rental and fixed applications, such as concerts, live events, security monitoring centers, Olympic Games and various sports centers.

## Features

- 3x types of input connectors
  - 1x SL-DVI (IN-OUT)
  - 1x HDMI 1.3 (IN-OUT)
  - 1x AUDIO
- 6x Gigabit Ethernet outputs
- 1x type-B USB control port
- 2x UART control ports
  - They are used for device cascading. Up to 20 devices can be cascaded.
- Pixel level brightness and chroma calibration
  - Work with the high-precision calibration system to calibrate the brightness and chroma of each pixel, effectively removing brightness differences and chroma differences, and enabling high brightness consistency and chroma consistency.

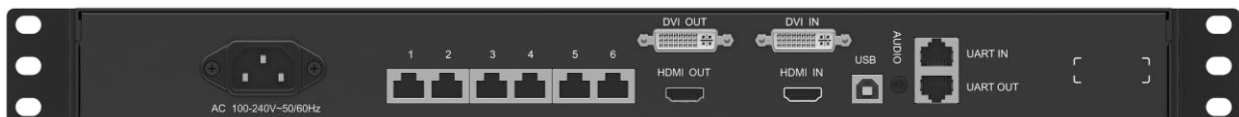
## Appearance

### Front Panel



Indicator	Status	Description
RUN (Green)	Slow flashing (flashing once in 2s)	No video input is available.
	Normal flashing (flashing 4 times in 1s)	The video input is available.
	Fast flashing (flashing 30 times in 1s)	The screen is displaying the startup image.
	Breathing	The Ethernet port redundancy has taken effect.
STA (Red)	Always on	The power supply is normal.
	Off	The power is not supplied, or the power supply is abnormal.

### Rear Panel



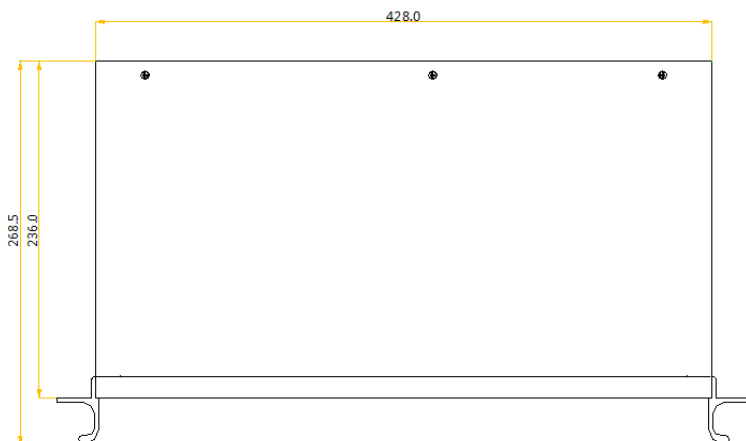
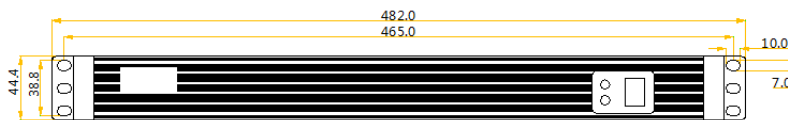
Connector Type	Connector Name	Description
Input	DVI IN	1x SL-DVI input connector <ul style="list-style-type: none"> <li>● Resolutions up to 1920x1200@60Hz</li> <li>● Custom resolutions supported               <ul style="list-style-type: none"> <li>Maximum width: 3840 (3840x600@60Hz)</li> <li>Maximum height: 3840 (548x3840@60Hz)</li> </ul> </li> <li>● HDCP 1.4 compliant</li> </ul>

		<ul style="list-style-type: none"> <li>• Does NOT support interlaced signal input.</li> </ul>
	HDMI IN	1x HDMI 1.3 input connector <ul style="list-style-type: none"> <li>• Resolutions up to 1920x1200@60Hz</li> <li>• Custom resolutions supported               <ul style="list-style-type: none"> <li>Maximum width: 3840 (3840x600@60Hz)</li> <li>Maximum height: 3840 (548x3840@60Hz)</li> </ul> </li> <li>• HDCP1.4 compliant</li> <li>• Does NOT support interlaced signal input.</li> </ul>
	AUDIO	Audio input connector
Output	1~6	6x RJ45 Gigabit Ethernet ports <ul style="list-style-type: none"> <li>• Capacity per port up to 650,000 pixels</li> <li>• Redundancy between Ethernet ports supported</li> </ul>
	HDMI OUT	1x HDMI 1.3 output connector for cascading
	DVI OUT	1x SL-DVI output connector for cascading
Control	USB	Type-B USB 2.0 port to connect to PC
	UART IN/OUT	Input and output ports to cascade devices. Up to 20 devices can be cascaded.
Power	AC 100-240V~50/60Hz	

#### Note

This product can only be placed horizontally. Do not mount vertically or upside-down.

## Dimensions



Tolerance:  $\pm 0.3$  Unit: mm

## Specifications

Electrical Specifications	Input voltage	AC 100-240V~50/60Hzz
	Rated power consumption	12 W
Operating Environment	Temperature	-20°C to +60°C
	Humidity	10% RH to 90% RH, non-condensing
Physical Specifications	Dimensions	482.0 mm × 268.5 mm × 44.4 mm
	Net weight	2.6 kg Note: It is the weight of a single device only.
	Rackmount	1U
Packing Information	Carrying case	565 mm × 88 mm × 328 mm
	2x Accessory boxes	255 mm × 70 mm × 56 mm Accessories:4x Power cords (AU, US, UK, EU), 1x USB cable, 1x DVI cable
	Packing box	585 mm × 353 mm × 113 mm Note: Each packing box can contain up to 5 devices.

## Video Source Features

Input Connector	Features		
	Bit Depth	Sampling Format	Max. Input Resolution
HDMI 1.3	8bit	RGB 4:4:4	1920×1200@60Hz
Single-link DVI	8bit	RGB 4:4:4	1920×1200@60Hz