

CHROMALED

Master STD

Specification



SHENZHEN CREATELED ELECTRONICS CO., LTD

Warnings

This device must be performed by qualified technical personnel who are familiar with all instructions and safety guidelines in case of any risk of hazards. Under no circumstances are ChromaLED parts reparable by anyone other than ChromaLED and do contact ChromaLED if you have any questions regarding its application and maintenance.



High Voltage

Do not open this device in case of any risk of hazard due to its high working voltage from 100-240V AC.

Risk of Explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

The socket-outlet shall be installed near the equipment and shall be easily accessible.



Grounding

This device must be properly grounded.



No moisture

No liquids can be in contact with this device and unplug this apparatus immediately if it happens reversely.

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Safety Guidelines

- 1) Read this manual attentively before performing and save it properly for later use.
- 2) Disconnect the power to this apparatus during lightning storms and unplug this apparatus when unused for long period of time.;
- 3) Refer all servicing to qualified service technicians or personnel or get yourself properly trained before operating.;
- 4) Keep flammable materials away from this device.;
- 5) Keep the power cords in order and well managed.;
- 6) Keep all liquids and fine metal debris away from the device.;

The manufacturer assumes no liability for incorrect, inadequate and irresponsible performance of this device so ensure that you understand and follow all the instructions and safety guidelines mentioned in this manual.

Product Introduction

CHROMALED Master Pro HD is an advanced professional video processor incorporating CHROMALED's patent image processing technology. CHROMALED supports various signal formats and higher resolution including 4K@30p Via Display port with better color depth which can be widely applied for applications such as live events, Out Of Home Media and control rooms.

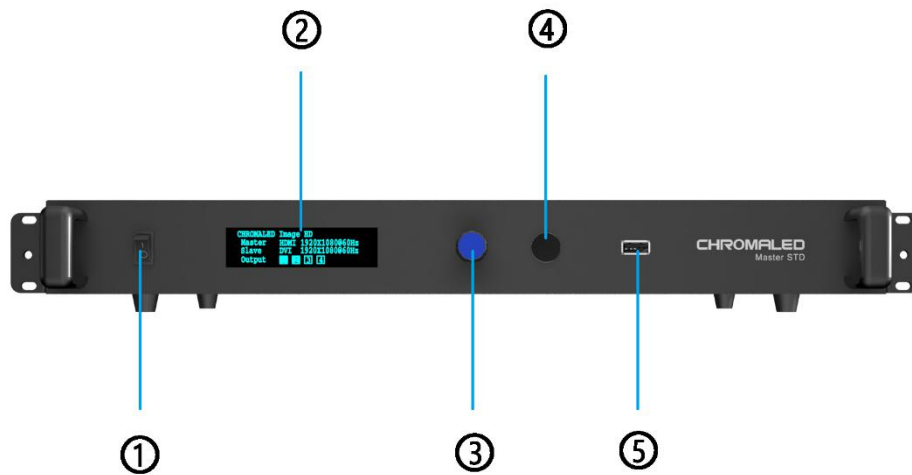
Product Features:

1) Premium Display Technology

- Ultra wide color gamut standard: Rec.2020;
- 24-bit ;
- 120Hz High Refreshing Rate;
- Seamless Screen Splicing:消除亮暗线;
- Lossless Low Gray Scale Display: No blurred screen at low grey scale、Color shift;
- Advanced Image Processing Technology: sharpening, saturation and contrast processing
- DVI、HDMI Support
- DVI loop output Support;
- Custom EDID support up to 2048 x 1152@60Hz
- Off-line operation includes brightness, saturation, contrast and other control
- Offline monitoring, upgrading, screen connection, parameter uploading

Hardware Introduction

Master STD Front View:



① Power

② LCD Monitor

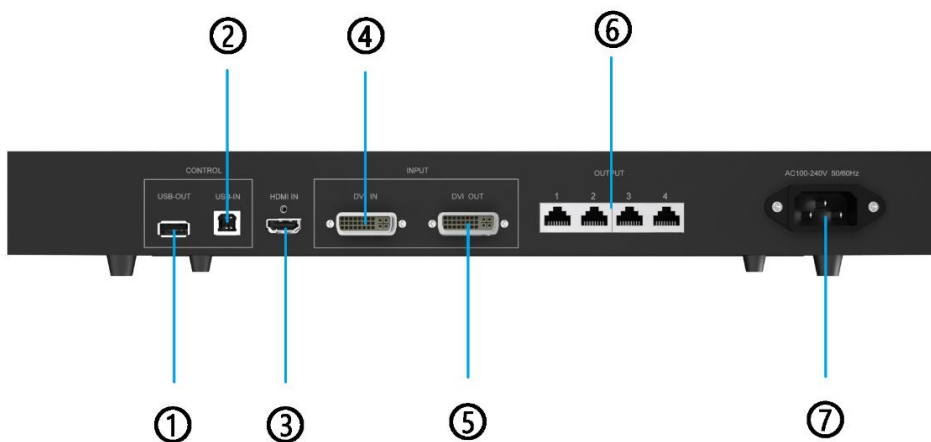
③ Setting Knob

④ Return

⑤ USB Upgrade Port

⑪ Spare Button

Master STD Rear Panel:



- ① USB Output
- ② USB Input
- ③ HDMI Input
- ④ DVI Input
- ⑤ DVI Output
- ⑥ LED Output Port
- ⑦ Power Port

LCD 界面菜单:

Level 1	Level 2	Level 3	Level 4	Level 5	
CHROLALED MASTER HD Input DVI 1920X1080 Zoom Close Output ① ② ③ ④ 100% 27°C	Brightness	1~100%			
	Input	Mode	Typical&Custom		
		Resolution	1920X1080#		
		Frame	60Hz#		
		Depth	8/10/12#		
		Crop	DVI/HDMI/DP/SDI*		
		Cut(截取)	On/Off		
		Offset X	0*		
		Offset Y	0*		
		Vertical	1920*		

Level 1	Level 2	Level 3	Level 4	Level 5	
CHROLALED MASTER HD Input DVI 1920X1080 Zoom Close Output <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 100% 27°C	Input	Vertical	1080*		
	Output	Sync	MasterFrame GenLock		
		SyncFrame	CurrentFrame AfterFrame		
		Zoom	On/Off		
		ADI	OffsetX#	0*	
			OffsetY#	0*	
			Horizontal#	1200*	
			Vertical#	800*	
		Screen Connect	Custom Connection#	Screen*	
	Send*				
	Save*				
	Quick Connection		Columns	1*	
			Rows	1*	
			Port Num	4*	
			Connection Mode	S (V&H)	
			Spec		
			Send		
			Advanced Connection	Port 1#	#
	Port 2#			#	
	Port 3#			#	
	Port 4#			#	
	Send				
	Enhanceme nt		3D Denoise	N/A	
			Defogg	N/A	
		Sharpness	-10~10*		
		Saturation	0~100*		

Level 1	Level 2	Level 3	Level 4	Level 5	
<p>ChromaLED MASTER STD Input DVI 1920X1080 Output <input type="checkbox"/> DVI <input type="checkbox"/> HDMI Output: <input type="checkbox"/> HDMI Output <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 100% 27°C</p>	Enhancement	Contrast	0~100*		
		Correction	On/Off#		
		Seams	On/Off#		
	Advance	EDID	*		
		CFG#	1#		
	Test	Colour#	Black*	1~255	
			White*	1~255	
			Red*	1~255	
			Green*	1~255	
		Gray#	32/64/128/256/512/768 1024/1536/1792/2048*		
		Grid#	Horizontal*	1~64	
			Vertical*	1~64	
			Slashes*	1~64	
			BackSlasher*	1~64	
			Grid*	1~64	
		Rate#	24/30/40/50/60/75Hz*		
		Aging#	1~20*		
		System	Priority	USB/LAN/WIFI#	
	LAN#		Mode	Manual	
			IP	N/A	
			Mask	N/A	
			Gateway	N/A	
	WIFI#		Mode	AUTO/Manual	
			IP	N/A	
Mask			N/A		
Gateway			N/A		
Buttons Lock#	On/Off#				

Level 1	Level 2	Level 3	Level 4	Level 5
ChromaLED MASTER HD Input DVI 1920X1080 Zoom Close Output 1 2 3 4 100% 27°C	System	McuVER	V0.0.24	
		ScardVer#	V0.0.18	
		FPGA Online#	YES*	
		Reset#	On/Off#	
	Language	English		
		中文		

Technology Specification

Input Index		
Port	AMOUNT	SPECIFICATION
DVI-I	1	VESA Standard, 2048×1152@60H, Support HDCP
HDMI	1	HDMI-1.4, 2048×1152@60Hz, Support HDCP

Output Index		
Port	AMOUNT	SPECIFICATION
ETHERNET	4	4-way gigabit network output, maximum support 1080P
DVI-I	1	VESA Standard, 2048×1152@60H, support HDCP

Control Port		
PORT	AMOUNT	SPECIFICATION
Rear USB	2	IN: Connectable to PC or previous control system OUT: Connectable next control system USB2.0
Front USB	1	USB2.0 protocol, USB Configuration Import, updating program

Specification of complete machine	
Input Power	100-240V AC, 50/60Hz 0.25A
Overall Power Consumption	25W
Operating Temperature	-20~50°C
Operating Humidity	30%~90%
Weight	2.8Kg

Controller Dimension

