Colorlight

CS4K G2
Media Server

Specification   V1.0

Introduction

CS4K G2 is a highly capable multimedia server that excels in playback control performance, scalability, and stability. It boasts powerful hardware that enables the decoding and playback of 1×4K or 4×2K videos, while also allowing for the input and capture of 1×4K@60Hz video. Paired with the preinstalled GrandShow CE, a professional playback and control software developed by Colorlight, CS4K G2 can simultaneously decode and play materials in different formats. Moreover, it offers flexible functions such as multi-layer display, multi-scene display, and seamless switching between scenes. These capabilities can fully satisfy the diverse demands of the playback and control industry.

Features

- Support HDMI2.0, output up to 4×2K@60Hz signals or 1×4K@60Hz signal, no Genlock.
- Supports pixel-to-pixel control and playback of up to 4K@60Hz.
- 1 channel of HDMI video capture and input (up to 4K@60Hz).
- Supports playback of video, picture, PPT, text, webpage, streaming media and other materials.
- Supports multi-scene editing, previewing, switching, saving, and copying.
- Quick functions such as background image display and scene switching.
- Supports 10bit HDR video decoding and playback.
- Supports real-time monitoring of the system operation status, providing alerts in case of device failure or anomalies in the playback materials.
- Optional 4G module for 4G communication.
- Real-time monitoring of image output.
- Supports NDI signal reception.
- Supports timed power on/off and scenes looping.
- Supports Pad APP control and visualized operations such as scene editing, image monitoring and scene switching.
- Supports central control protocol for scene switching, image playback, volume adjustment and other functions.
- Supports performance monitoring by checking playback performance and playback logs.
- Supports command scheduling and program scheduling, allowing for executing commands and playing the specified scenes as scheduled.

- Supports program effects including feather, kaleidoscope, keying, marquee, mask, mosaic, etc.

Appearance

Front Panel

No.	Name	Function
①	USB	Two USB 3.0 ports for connecting to external devices such as a keyboard, mouse, and USB flash drive.
②	Indicators	Indicating the current network status and system operation status respectively.
③	4.3-inch touch screen	Displaying the system operation information; allowing for certain function operations and settings (only accessible after opening GrandShow CE).
④	Power switch	Power on/off the device.

Rear Panel
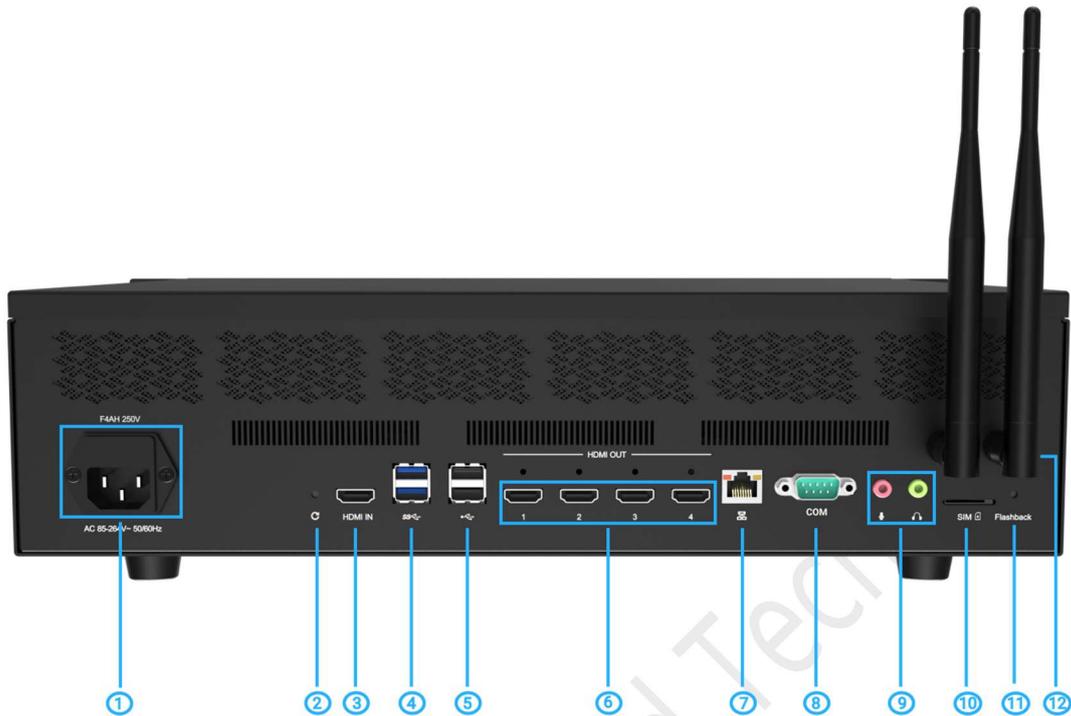
①	Power connector	AC power input connector.
②	System reset button	Used to restore server system.
③	HDMI	HDMI IN for video capture and input.
④	USB 3.0*2	2x USB3.0 ports.
⑤	USB 2.0*2	2x USB2.0 ports.
⑥	HDMI 2.0 *4	HDMI OUT for video output (up to 4K per channel).
⑦	LAN	Network port
⑧	DB9	Serial port
⑨	3.5mm audio port *2	Audio port for connecting to audio input/ output devices.
⑩	SIM slot	Equipped with SIM card for communication.
⑪	Flashback	Used to reset motherboard BIOS settings.
⑫	4G antenna	Used for 4G communication (4G module required).

Application

Specifications

Model		CS4K G2
Chassis		2U
CPU		Intel® 4-core 8-thread processor
Memory		8G
System disk		480GB M.2 SSD (expandable)
Capture card		Integrated HDMI capture input
Graphics card		Integrated Intel Iris Xe Graphics
Video port		HDMI ×4
Maximum output		4096×2160@60Hz
Audio		Support audio input and output
Network		1000M
Playback and control software		GrandShow CE
Operation environment	Temperature	0℃~55℃/32°F~131°F
	Humidity	20%RH~90%RH, non-condensing
Storage environment	Temperature	-40℃~70℃/-40°F~158°F
	Humidity	10%RH~95%RH, non-condensing
Electrical specifications	Power supply	100-240V~2.1A，50/60Hz
	Power	30W
Physical specifications	Net weight	8.42 kg/18.56 lbs
	Dimension	482.6mm×105.5mm×353.2mm (W×H×D)

Dimensions

Unit: mm

Tolerance: ±0.1mm

Chassis:
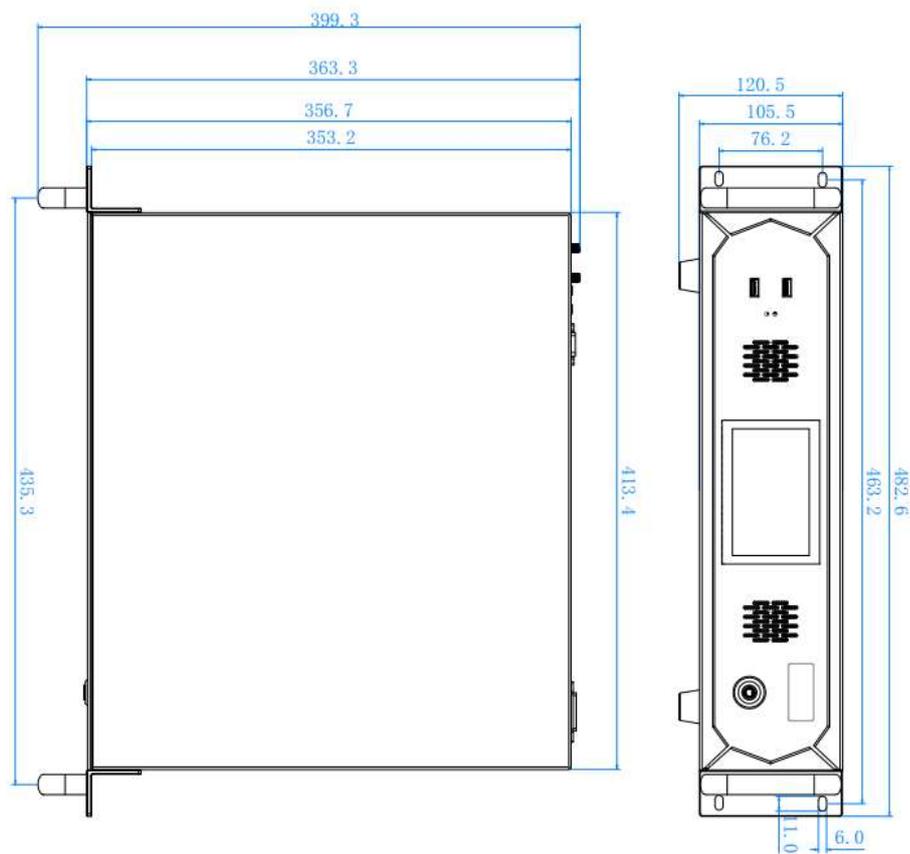
Statement

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