CMS130

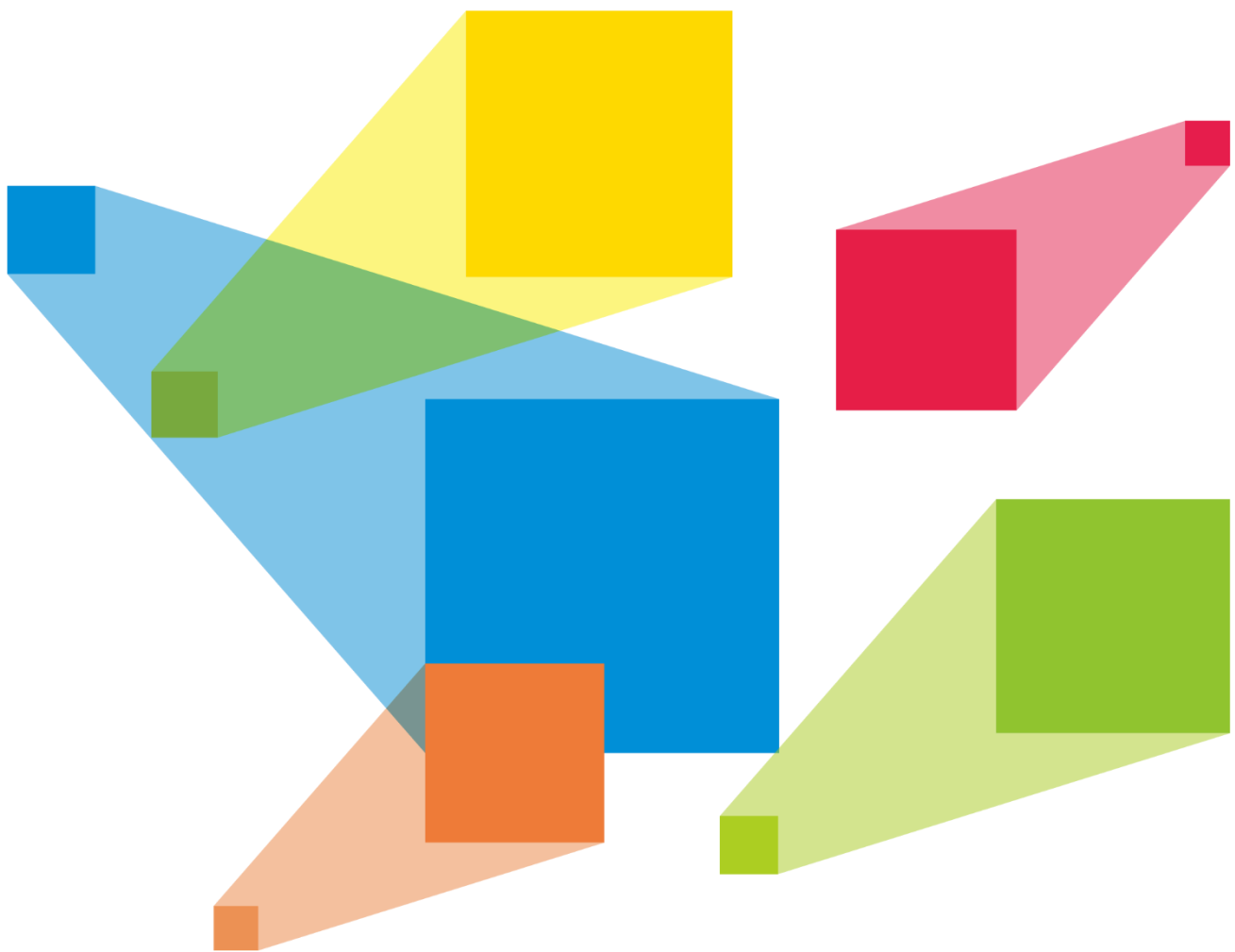**All-in-One Controller**
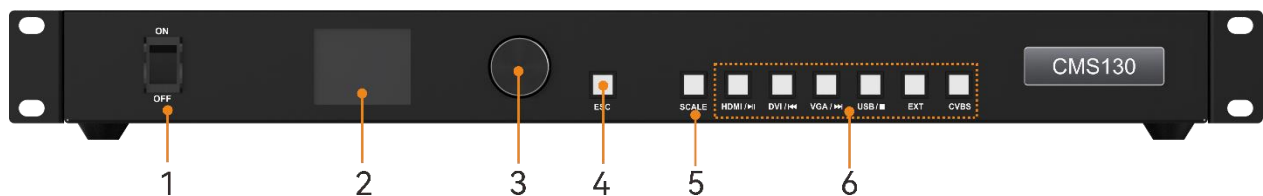
Specifications

Introduction

The CMS130 all-in-one controller is a pure hardware device that is easy to operate. It features different types of high-definition input connectors, and integrates professional LED screen control technologies and video processing capabilities, making on-site installations effortless. Designed with an industrial-grade casing, the CMS130 is well suited for complex operational environments and can be widely used in applications such as malls, hotels, exhibition sites and TV studios.

Features

- Up to five input connectors: 1x DVI, 1x HDMI 1.3, 1x VGA, 1x USB, 1x CVBS

- Adjustable layer position and size, and input cropping supported

- Press input source buttons to easily switch between the input sources.

- External independent audio

- EDID management supported

- Personalized image scaling: Full screen, pixel to pixel and custom

- Quick configuration to easily configure the LED screen

- 2x Ethernet output connectors with a loading capacity of up to 1.3 million pixels

- Easy preset saving and loading

  Up to 6 user-defined presets

- LED screen color adjustment, such as brightness and Gamma

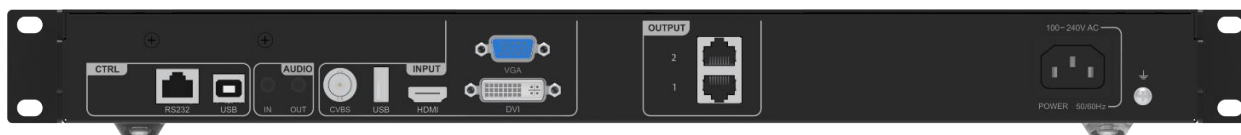- Controlled via central control devices

Appearance

Front Panel

NO.	Area	Function
1	Power button	Power on or power off the device.
2	LCD screen	Display the current device status and settings menu.
3	Knob	• Rotate the knob to select a menu item or adjust the parameter value. • Press the knob to confirm the setting or operation.
4	ESC button	Exit the current menu or cancel an operation.
5	SCALE	A shortcut button for the full screen function. Press the button to make the layer of the lowest priority fill the entire screen.
6	Input source	Description for input source buttons:

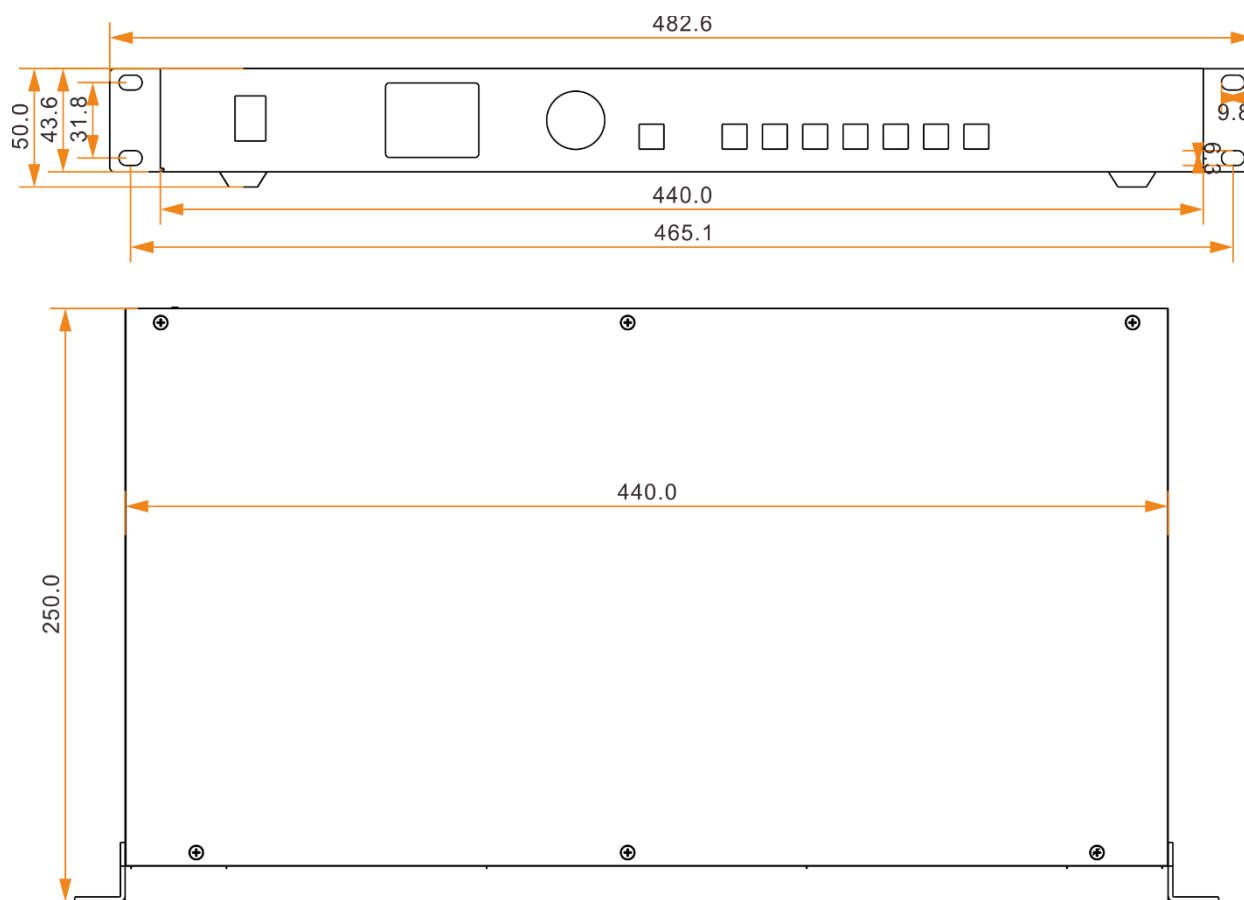| NO.	Area	Function

	buttons	• HDMI: HDMI input source button
		
		    When you play the media files saved in the USB drive, this button is used to pause or play the files.
		• DVI: DVI input source button
		
		    When you play the media files saved in the USB drive, this button is used to play the previous file.
		• VGA: VGA input source button
		
		    When you play the media files saved in the USB drive, this button is used to play the next file.
		• USB: Reserved button
		• EXT: Reserved button
		• CVBS: CVBS input source button
		
		Status LEDs
		• On: An input signal is accessed and used.
		• Flashing: The input connector is used, but no input signal is accessed.
		• Off: The input signal is not used.

Rear Panel

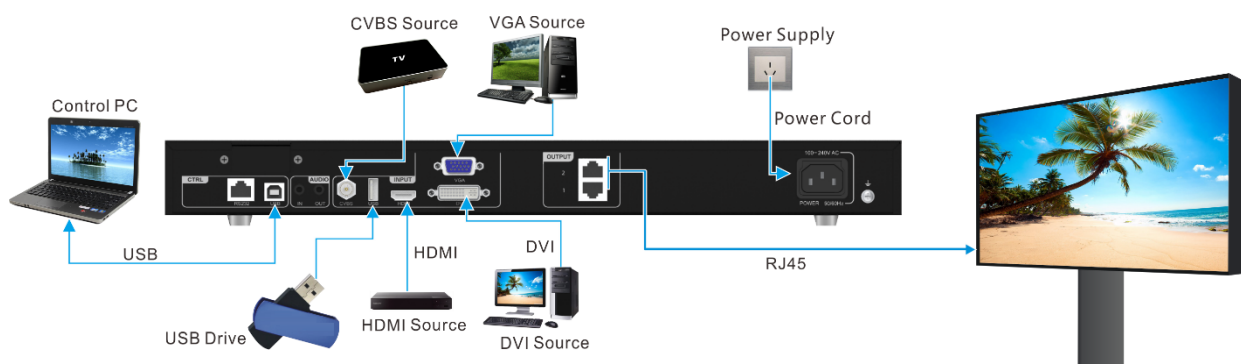| Input Connectors		
Connector	**Qty**	**Description**
DVI-D	1	• VESA standard video inputs with the maximum resolution of 1920×1080@60Hz, downward compatible • HDCP 1.4 compliant • Interlaced signal inputs supported
HDMI	1	• HDMI 1.3 standard • Input resolution up to 1920×1080@60Hz, downward compatible • HDCP 1.4 compliant • Interlaced signal inputs supported
VGA	1	Input resolution up to 1920x1080@60Hz, downward compatible
CVBS	1	PAL/NTSC standard video inputs
USB (Type A)	1	1x USB 2.0

		• Connect to a USB drive.
		• 1080p@30fps video files supported
		• File system: NTFS, FAT32 and FAT16 (supported), exFAT (FAT64) (not supported)
		• Supported image formats: jpg, jpeg, png and bmp
		• Supported video coding: MPEG1/2, MPEG4, Sorenson H.263, H.263, H.264 (AVC1), H.265 (HEVC), RV30/40, Divx and Xvid
		• Supported audio coding: MPEG1/2 Layer I, MPEG1/2 Layer II, MPEG1/2 Layer III, AAC-LC, VORBIS, PCM and FLAC
AUDIO	2	Audio input and output

Output Connectors

Connector	Qty	Description
Ethernet ports	2	2x Ethernet output connectors Connect to the receiving cards.

Control Connectors

Connector	Qty	Description
ETHERNET (RS232)	1	Connect to the central control device.
USB (Type B)	1	Connect to the control PC for program updating or debugging.

Dimensions

Tolerance: ±0.3   Unit: mm

Applications

Specifications

Overall Specifications		
Electrical Parameters	Power connector	100–240V AC, 50/60Hz
	Rated power consumption	12 W

Overall Specifications		
Operating Environment	Temperature	−20℃ to +60℃
	Humidity	20% RH to 90% RH, non-condensing
	Storage humidity	10% RH to 95% RH, non-condensing
Physical Specifications	Dimensions	482.6 mm × 250.0 mm × 50.0 mm
	Net weight	2.8 kg
	Total weight	6 kg
Packing Information	Carrying Case	565mm × 88mm × 328mm
	Accessories	1x Power cable, 1x USB cable, 1x DVI cable, 1x HDMI cable, 1x Certificate of Approval
	Large Outer Case	585mm × 353mm × 113mm
Noise Level (typical at 25℃/77℉)		38 dB (A)

Video Source Features

Input Connectors	Bit Depth		Max. Input Resolution
HDMI 1.3	8bit	RGB4:4:4	1920×1080@60Hz
		YCbCr4:4:4	1920×1080@60Hz
		YCbCr4:2:2	1920×1080@60Hz
		YCbCr4:2:0	Not supported
	10bit	RGB4:4:4	1920×1080@60Hz
		YCbCr4:4:4	1920×1080@60Hz
		YCbCr4:2:2	1920×1080@60Hz
		YCbCr4:2:0	Not supported
	12bit	–	Not supported
DVI	8Bit	RGB4:4:4	1920×1080@60Hz