

## DP-X2m

### Professional Video Processor

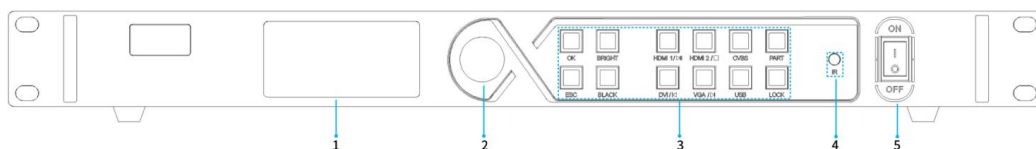


## Description

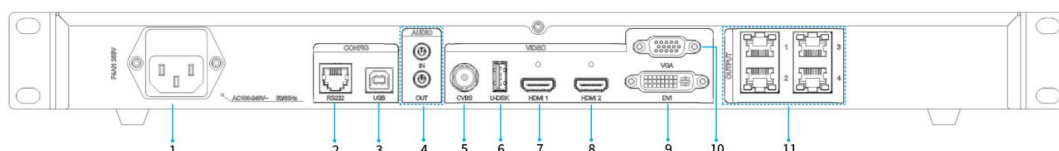
This device is a professional LED display controller featuring robust video signal reception and processing capabilities. It supports input resolutions up to 1920×1200 and allows multiple signal sources with seamless switching. The controller also provides flexible video source scaling and cropping to accommodate various display requirements.

## Features

- Features five signal inputs: 2× HDMI 1.4, 1× DVI, 1× VGA, and 1× CVBS
- One USB flash drive input
- Maximum loading capacity of 1.3 million pixels, supporting up to 3840 pixels in width or up to 2000 pixels in height
- Two Gigabit Ethernet outputs with port backup support
- One independent audio input and one independent audio output; supports audio decoding from HDMI and USB flash drive sources
- Supports arbitrary switching, cropping, scaling, and image shifting for video signals
- Supports image adjustments: contrast, saturation, hue, brightness compensation, and sharpness
- Supports limited-to-full range conversion
- Supports sending/reading back calibration coefficients; advanced seam correction; supports HDCP 1.4 high-bandwidth digital content protection
- Supports brightness and color temperature adjustment, including precise color temperature control
- Supports low-brightness high-gray performance, ensuring complete grayscale display at low brightness levels
- Supports saving and recalling 16 scenes
- Supports USB playback and OSD



No.	Name	Description
1	LCD Display Screen	Display the operation menu and system information, resolution 160×128
2	Knob	Press the knob to enter a submenu or confirm a selection. Rotate the knob to select a menu item or adjust a parameter.
3	Function Keys	<p>OK: Confirm Button</p> <p>Bright: Adjust brightness</p> <p>ESC: Exit the current operation</p> <p><b>Black:</b> Display black screen on output</p> <p>HDMI 1 / ►HDMI 2 / ■DVI 1 / ◀VGA▶: Press to switch directly to the corresponding signal. During USB playback, these buttons can be used for Play/Pause, Stop, Previous, and Next track operations.</p> <p>CVBS: Press to switch directly to the corresponding signal</p> <p>PART: Crop function button</p> <p>USB: Press the USB button to enter USB playback mode; press again to return to the control panel interface</p> <p>LOCK: Lock front panel buttons</p>
4	IR	Infrared Receiver
5	On/Off Mode	Power Switch



Power Interface		
1	AC100-240V ~ 50/60Hz	Connect to AC power supply; built-in power protection components.
Control Interface		
2	RS232	RJ11(6P6C) interface*, can be connected to central control system
3	USB	USB 2.0 Type-B interface, connect to a computer for parameter configuration.
Audio Interface		
4	AUDIO IN	3.5mm jack, receives audio signals from a computer or other devices.
	AUDIO OUT	3.5mm jack, outputs audio signals to active speakers or other devices. (supports HDMI audio decoding output)

Input Interface		
5	CVBS	PAL/NTSC Standard Video Input
6	U-DISK	USB port, plays videos/images stored in a USB drive Supported formats: NTFS, FAT32, FAT16 Image formats: JPEG, PNG, WEBP, BMP Video codecs: MPEG1/2, MPEG4, Sorenson H.263, H.263, H.264 (AVC1), H.265 (HEVC), RV30/40, DivX, Xvid Audio codecs: MPEG1/2 Layer I, MPEG1/2 Layer II, MPEG1/2 Layer III, AAC-LC, VORBIS, PCM, FLAC Maximum video resolution: 1920×1080@60Hz
7	HDMI 1	1× HDMI 1.4 input Maximum resolution: 1920×1080@60Hz Supports EDID 1.4 Supports HDCP 1.4 Supports audio input
8	HDMI 2	1× HDMI 1.4 input Maximum resolution: 1920×1080@60Hz Supports EDID 1.4 Supports HDCP 1.4 Supports audio input
9	DVI	Maximum resolution: 1920×1080@60Hz Supports EDID 1.4 Supports HDCP 1.4
10	VGA	Maximum resolution: 1920×1080@60Hz
Output Interface		
11	Port 1~4	4× 1G Ethernet ports Load capacity per port: 655,360 pixels Total load capacity: 2.6 million pixels; max width 3840 or max height 2000 pixels Recommended cable length (CAT5e or higher): ≤100m Supports redundancy backup
	Port 1~2	2× 1G Ethernet ports Load capacity per port: 655,360 pixels Total load capacity: 1.3 million pixels; max width 3840 or max height 2000 pixels Communication Distance: It is recommended that CAT5e cable length does not exceed 100 m. Supports redundancy backup

\*This diagram takes the 4-port LED video controller as an example. Product images are for reference only; actual products shall prevail.