Quick Guide



65" 4K Splicing LCD Display

ZT-433 | ZT-DP65-4K

1. Safety Instructions

The device must be installed, serviced and maintained by a trained professional with necessary safety knowledge and skills. Before installation, be sure to carefully read and implement the safety instructions specified in this manual.

- The power supply meets the requirements indicated on the device, and the power voltage is stable. The power supply of the splicing system (such as decoder, video wall controller, matrix, and splicing screen) must use an appropriate UPS or a voltage stabilizer whose normal power is greater than 1.5 times the power used by the splicing system. The splicing system must use a three-phase socket with a protective grounding wire.
- The splicing system shall be powered in phase with the image controller and control PC, but out of phase with high-power equipment such as high-power air
- conditioner.
- All the grounding devices must be securely grounded, and the grounding wire of all devices must be connected to an equipotential socket to ensure that there is no voltage difference between the devices. The grounding bus shall use multi- core copper wires, and cannot be shorted or mixed with the neutral wire of the power grid.
- The operating temperature for the device is 0°C to 40°C. Operation out of this range may cause device failure. The operating humidity is 20%RH to 80%RH (noncondensing). Use a dehumidifier if necessary.
- To install the device on the ground, make sure that the ground is flat and solid with a strong load-bearing capacity first. The rack is generally installed on the cement floor. To install it on a floor, reinforce the floor first.
- Wiring troughs for strong and weak currents must be strictly separated. A short wiring distance is preferred. The connection of wiring troughs must be smooth without burrs and sharp corners. The wiring troughs must be properly grounded and shielded.
- Keep the maintenance channel well ventilated. Keep the device at a distance of around 3m from the air conditioning.
- Do not open the cabinet as there are high voltage components inside.
- Handle with care during transportation and installation. Do not knock, squeeze or carve the screen with hard objects. User shall assume total responsibility for damages caused by improper user operations.
- Leave at least 0.6mm space around the device for heat dissipation.
- Use the device in a clean environment. The dust concentration shall meet the office environment requirements

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- Do not leave the device in standby for a long time. When you do not use the device for a long time, disconnect the power.
- Do not switch on and off frequently. The interval between on and off cannot be less than 3 minutes.
- Keep liquid of any kind, sharp objects, metals from entering the vents or contacting the connectors. Otherwise, it may cause electric shock, short circuit or device failure. Keep away from children.

2. Packing List

Contact your local dealer if the package is damaged or incomplete. The package contents may vary with device model.

No.	Name	Qty	Unit
1	Splicing Screen	1 or 2	PCS
2	RS232 Cable	1 or 2	PCS
3	Grounding Cable	1 or 2	PCS
4	Power Cable	1 or 2	PCS
5	Remote Control	1	PCS
6	Infrared Receiving Cable	1	PCS
7	Product Documents	1	PCS

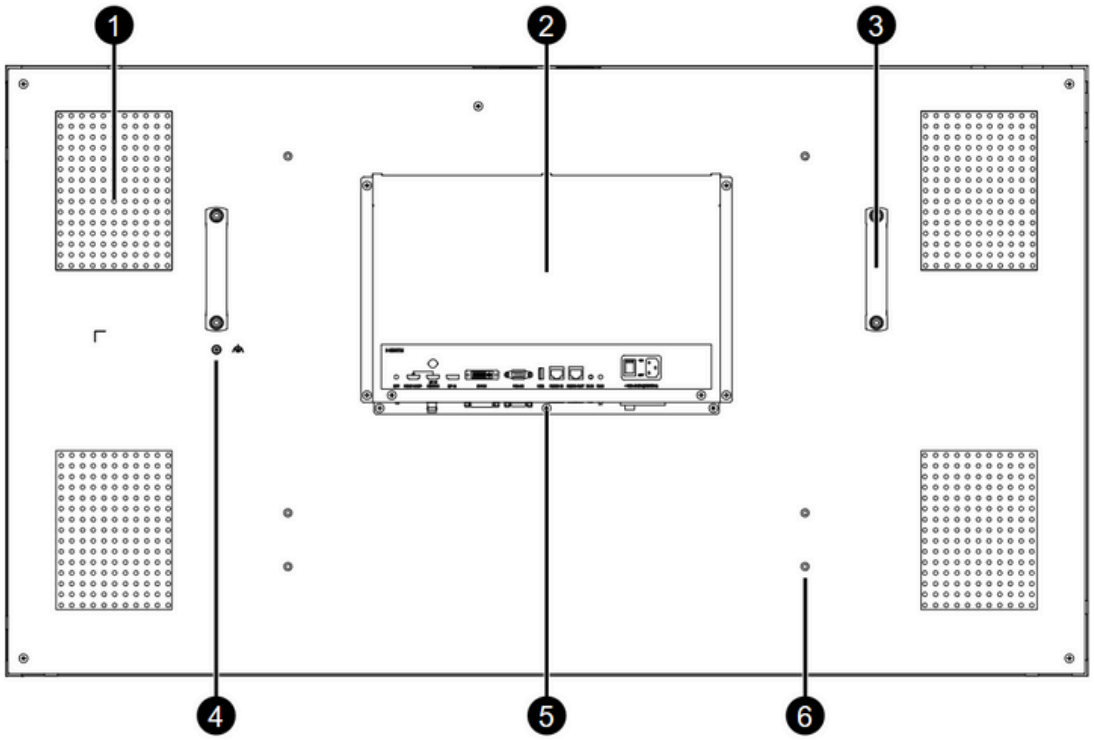
Remarks: In a package with one splicing screen, the quantity of items 1 to 4 is 1; in a package with two splicing screens, the quantity of items 1 to 4 is 2.

3. Product Overview

This guide applies to a variety of products, and the appearance may vary with device model.

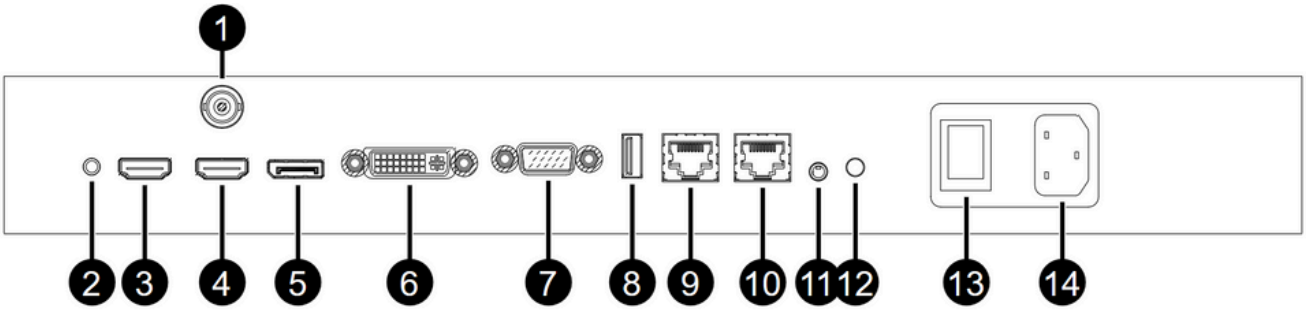
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3.1 Appearance



1. Vent	2. Back box	3. Handle
4. Grounding screw	5. Interfaces	6. Bracket mounting hole

3.2 Interfaces



No.	Interface	Description
1	AV IN	AV input interface, connects the video source device to receive video signals

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2	KEY	Key button, press to start testing the image
3	HDMI LOOP	HDMI loop out interface, connects the HDMI input interface of the next splicing screen to transmit video signals. **NOTE:** Maximum number of HDMI loop connections: 9.
4	HDMI IN	HDMI input interface • Connects the video source device to receive video signals • Connects the HDMI loop interface of the previous splicing screen to receive video signals
5	DP IN	DP input interface, connects the video source device to receive video signals
6	DVI IN	DVI input interface, connects the video source device to receive video signals
7	VGA IN	VGA input interface, connects the video source device to receive video signals
8	USB	USB 2.0 interface, connects the USB flash drive • Upgrades the splicing screen • Plays image and video from the USB flash drive
9	RS232 IN	RS232 input interface • Connects the RS232 output interface of the external device (for example, decoder) to remotely power of/off the splicing screen • Connects the RS232 output interface of the previous splicing screen to receive control signals
10	RS232 OUT	RS232 output interface, connects the RS232 input interface of the next splicing screen to transmit control signals
11	IR IN	IR receiver interface, connects the infrared receiving cable to receive control signals from the remote control

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12	RUN	Operating indicator: • Steady red: Standby • Steady green: Startup • Steady orange: Overheating
13	POWER BUTTON	Turn of/off the splicing screen
14	AC IN	Power input interface. Connects to the power supply with reference to the marked voltage range

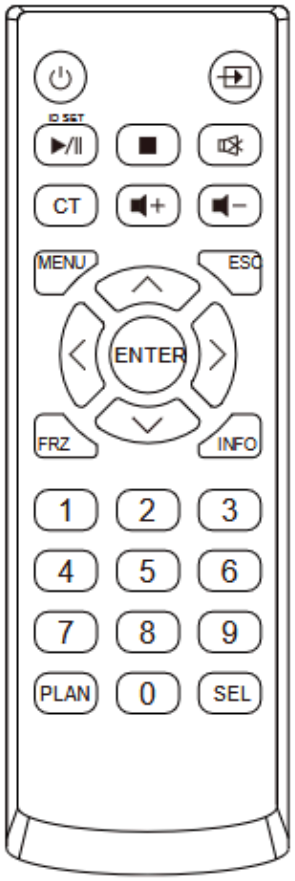
4. Remote Control

NOTE!

The buttons not shown in the table below are reserved functions and are currently unavailable

Button	Description	Diagram
⏻	Turn on/off the device. **CAUTION:** After you turn off the device using the remote control, the device remains powered on. Please be aware of fire and electric hazards.	
⏏	Switch signal sources.	
▶/‖	• Play/pause video from the USB flash driver. • Set the splicing screen ID.	
■	Stop playing video from the USB flash driver and exit the screen.	
CT	Switch the color temperature of the screen.	

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Button	Description	Diagram
∧∨<>	• Choose up/down/left/right. • Change values.	
ENTER	Confirm the selection.	
MENU	• Open the menu screen. • Return to the previous screen.	
ESC	Exit the menu.	
FRZ	Pause/resume video on the screen **NOTE:** When you pause video on the screen, the video source still plays the video; when you resume video, the screen shows the current video of the video source.	
INFO	Show the current video source information.	
0~9	Select the number.	
SEL	Select the splicing screen you want to control.	

5. Cable Connection

NOTE!

The RS232 interface is an RJ45 connector. It must be connected with a straight- through network cable instead of a crossover network cable.

If the signal transmission distance exceeds 5m, you need to use high-quality HDMI, DP, etc. cables to ensure the image quality. Poor quality cables may cause image noises or unstable images.

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6. Troubleshooting

Problem	Solution
Boot failure (power indicator is off)	Check if: • the power cord is damaged • the device is connected to the mains • device is powered on • power switch is damaged • fuse is blown
No signal displayed	• Verify if you have selected the correct signal source • Verify if the signal cable is connected correctly
Abnormal images	• Check to see if the image resolution is supported by the device
Abnormal RS232 control	Check if: • RS232 cables are connected correctly • RS232 control is normal on the neighboring splicing screen
Blurry images	Check for: • loose cables and damaged connector pins • quality of cables • screen parameters being set correctly
Shaky/unstable images	• Re-plug the signal cable • Replace the signal cable
No loop signal	Check if: • signal type is correct • cables are connected correctly • interface of the HDMI board is damaged

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Water ripples/noises	Check if: • signal source and screen are in a power circuit • water ripples come from the signal source • output interface is connected properly • signal input cable is too long • input signal cable connector is loose or the gold plating is peeling

7. Maintenance

In daily use, please perform maintenance operations as follows:

1. Do not open the cabinet yourself

Do not open the cabinet yourself. The high voltage inside will endanger your personal safety.

2. Keep away from fire and water

Do not place the device near candles, water, etc., otherwise the device may be damaged. Such damage is not covered by the warranty.

3. Do not touch the screen

Do not touch the screen, such as poking or pressing the screen with your fingers or sharp objects (e.g., pen tip, tiny hard particles on the cleaning cloth), it may result in a broken screen, liquid crystal leakage, etc. Such damage is not covered by the warranty.

4. Do not assemble the device yourself

Do not service the device yourself in the event of a device failure. Please seek help from the authorized personnel in time, and conduct troubleshooting under their guidance.

Do not hang other LED displays around the device by yourself. Otherwise, we are not responsible for any damage to the device caused by this.

5. Do not insert any object into the vents or ports

Do not insert metallic and sharp objects into the vents or ports, it may cause short circuit, device failure, and electric shock. Be especially careful when children are present

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6. Avoid long-term operation at full capacity

Do not use the device continuously for more than 20 hours. Long time display of a stationary image will cause polarization of the liquid crystal molecules at certain pixels. If continuous operation is required, turn off the device for a ten-minute break every 20 hours, or change the display at different intervals.

7. Do not leave the device in standby for a long time

When you do not use the device for a long time, disconnect the power. Do not switch on and off frequently. The interval between on and off cannot be less than 3 minutes.

8. Precautions on cleaning the device

Be sure to use a soft and non-fiber cloth such as a dust-free cloth or a soft silk cloth. Do not use rough fibrous cloths such as linens and toilet paper, it may leave scratches on the screen.

Be sure to use anhydrous alcohol or special cleaners (please purchase under the guidance of our technical support). Do not spray aqueous solutions and corrosive chemical liquids such as acetone, toluene, chloromethane, disinfectant, sulfuric acid and aqueous alcohol on the screen, it may cause dust accumulation and screen corrosion.

Be sure to clean the screen from the four sides to the center to prevent dirt, dust, and other contaminants from entering the frame.

9. Installation environment requirements

Do not use or store the device in a damp environment for a long time, otherwise the circuit board may be oxidized and corroded, resulting in device failure.

The operating temperature for the device is 0°C to 40°C. Operation out of this range may cause device failure. The operating humidity is 20%RH to 80%RH (non-condensing). Use a dehumidifier if necessary.

The device and the video output devices connected to it must be co-grounded, otherwise static electricity will occur and interfere with the video signal, or even static surges may occur and damage the interfaces. Such damage is not covered by the warranty.

10. Dust regularly

To ensure the device performance, please dust the device regularly and keep the maintenance channel clean. Dust accumulation will cause abnormalities such as unclear images and black screen on the edges. And users shall clean the device regularly to avoid such abnormalities. Such damage is not covered by the warranty.

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