



ES6 Specification

Sending Card Series

Version: v2.5
Release Date: April 2025

Revision History

Version Number	Summary of the revisions	Revision Date	Revised by
V 1.1	Update function description and layout	2025/04/15	Zhang Yongjie
V 1.0	Initial release	2024/09/18	Zhang Yongjie

Product Overview

ES6 is a high-performance transmission device with powerful loading capacity and rich functions . A single device supports 1-channel HDM1.3 and 1-channel DVI input, and supports a maximum input of 2048x1152@60Hz. It supports 6- channel network port output and supports a maximum of 2.35 million pixels .

The device uses a square USB/Gigabit Ethernet port to communicate with the PC, and uses the Gigabit Ethernet port for device cascade control. It supports passive correction, 3D display, arbitrary stringing, network port redundancy backup and other functions . It is mainly used in rental and fixed installation fields, such as concerts, stadium events , conference rooms , exhibitions , etc.

Product Certification

RoHS certification , CCC certification

Note: If the product has no relevant certification in any country or region, please contact Kystar immediately for confirmation or processing.

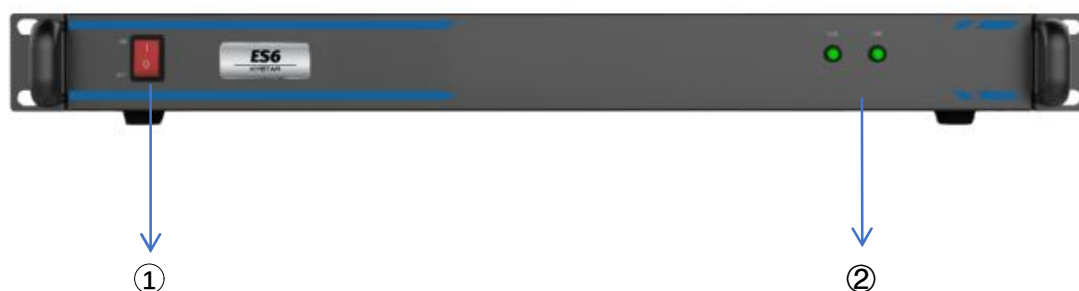
Otherwise, if any legal risks are caused, the customer shall bear them by himself or Kystar shall have the right to seek compensation.

Features

- Supports 1*HDMI1.3 and 1*DVI input.
- Supports 6 Gigabit Ethernet ports.
Single Ethernet port can carry 650,000 pixels, the whole machine can carry up to 2.35 million pixels, the maximum width of a single unit is 4000, and the maximum is 4000
- Support EDID management.
Maximum input resolution 2048X1152@60Hz, can be customized within this pixel, maximum width:4000, maximum height:4000
- Supports passive brightness and color correction.
With the Kystar correction system, it can be separated from the video source, complete the brightness and color correction of each light point, eliminate the brightness and color differences, and ensure the consistency of the whole screen display effect
- Rapid delivery of calibration data.
Supports Kystar 's rapid delivery of calibration data technology, which is twice as fast as traditional methods and greatly improves calibration efficiency.
- Supports any string of lines.
No rectangular load limit, the empty part does not occupy load resources, and improves the utilization rate of network ports
- Supports multiple control methods.
The device supports USB/Gigabit connection to the host computer for debugging
- Support cascade control.
Devices can be uniformly controlled through Gigabit cascade, with a maximum of 8 cascades

- Support brightness and color temperature adjustment.

Panel Description



*The product images in this article are for reference only. Please refer to the actual product purchased.

Serial Number	Functional Description
①	Power switch
②	Equipment indicator light, green light, RUN, running status indicator light; red light, PWR, power supply status indicator light

Port Specifications



Input Port		
Type	QTY	Specification
HDMI	1	HDMI1.3 input <ul style="list-style-type: none"> • Maximum support 2048*1152@60Hz • Supports custom resolutions

		<p>Maximum width: 4000 (4000x540@60Hz) Maximum height: 4000 (540x4000@60Hz)</p> <ul style="list-style-type: none"> ● Support HDCP1.4/2.2 ● Supported color space: RGB4:4:4/YCbCr4:4:4/ YCbCr4:2:2 ● Does not support interlaced signals
DVI	1	<p>DVI input</p> <ul style="list-style-type: none"> ● Maximum support 2048*1152@60Hz ● Support custom resolution Maximum width: 4000 (4000x540@60Hz) Maximum height: 4000 (540x4000@60Hz) ● Does not support interlaced signals

Output Port

Type	QTY	illustrate
LAN	6	Single port supports up to 650,000 pixels , supports hot backup

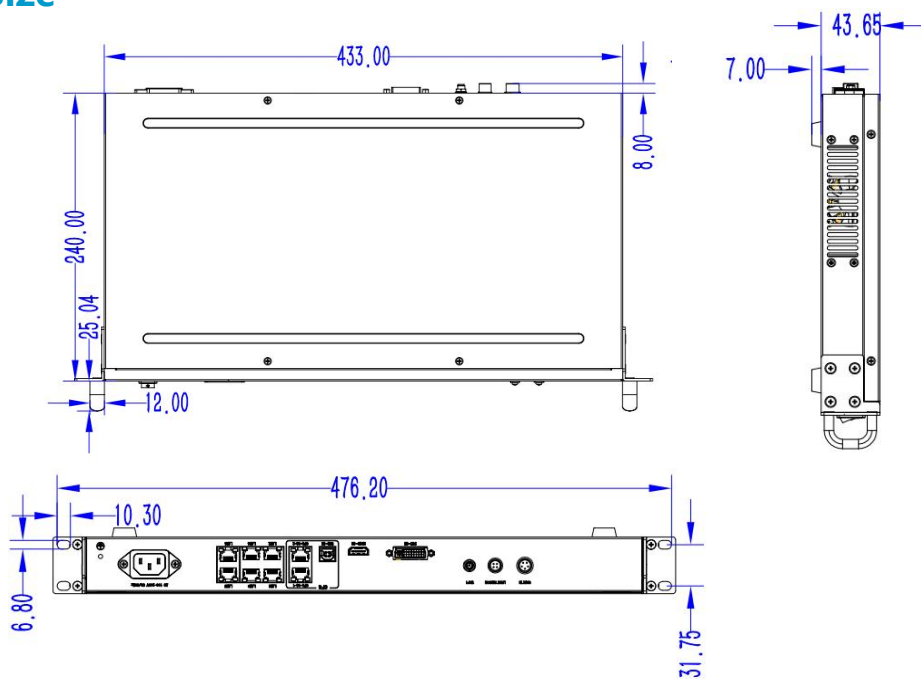
Control Port

Type	QTY	illustrate
USB-IN	1	USB serial port, communicate with host computer software, control sending card
CFG-1G	2	Gigabit network port, communicate with host computer software, control sending card, and support cascade control

Other Ports

Type	QTY	illustrate
LIGHT SENSOR	1	Brightness sensor, collects light information and automatically controls brightness
UART IN	1	Serial port, can be connected to the central control device for device control

Size



Unit: mm , tolerance $\pm 0.3\text{mm}$

Equipment Specifications

Specification	
Input voltage	AC 100-240V 50/60Hz
Power consumption	35W
Operating temperature	0 °C -45°C
Operating humidity	10% - 95%, non-condensing
Storage temperature	-20°C- 75°C
Storage humidity	10% - 95%, non-condensing
Single unit specifications	482.6x265x50.65mm (L x W x H)
net weight	2.89KG
Carton size	550x90x335mm (L x W x H)
Gross Weight	3.76KG
Accessories	1x power cable, 1x network cable, 1x USB cable, 1x HDMI cable, 1x DVI cable, 1x certificate, 1x packing list

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A professional provider of comprehensive solutions and operation services for ultra-high-definition video display and control.

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