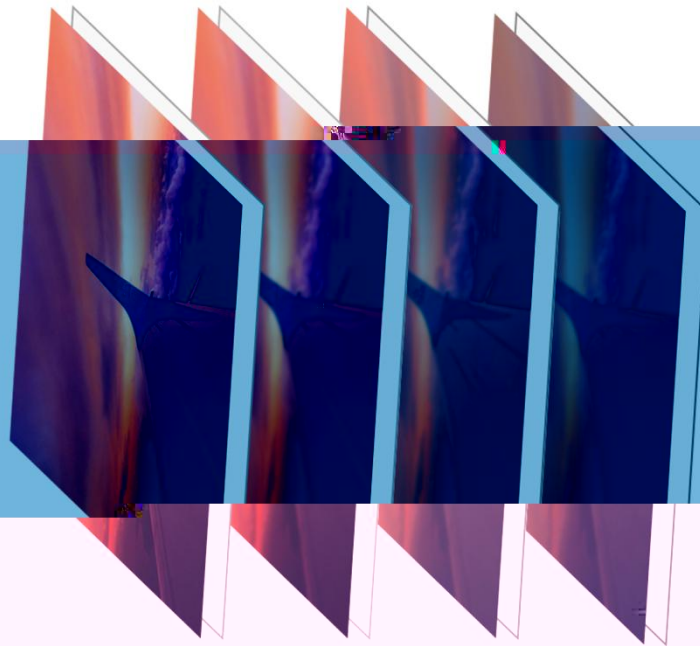


# ES16

## LED sending controller

Version: v1.4

Release Date: November 2021



TEL 400 159 0808

Web: [www.kystar.com.cn](http://www.kystar.com.cn)

Beijing KYSTAR Technology Co., Ltd.

Professional Ultra HD Video Display

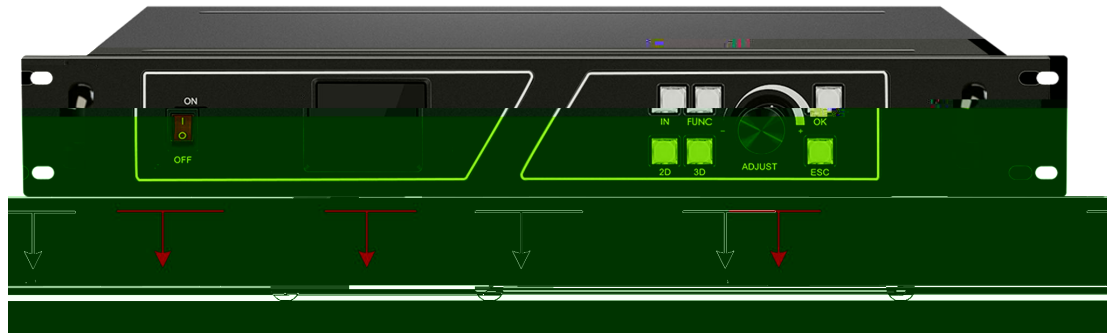
## Summary

KYSTAR ES16 sending card is a master control card that supports large load. It has 18 GIGABit output network ports and supports the maximum resolution 4096\*2160@60Hz or 7680\*1080@60Hz, and the resolution can be customized, with a maximum width of 8000 pixels and a maximum height of 4000 pixels, meeting the configuration requirements of the ultra-large screen for small space applications, mainly used in rental and ultra-large screen fixed installation fields, such as concerts and stadiums.

## Functional characteristics

- Supports a variety of digital signal interfaces, including 1 channel DP1.2, 1 channel HDMI2.0 and 4 channel DVI-D input sources.
- Support a maximum load of 10 million pixels.
- Support 18 gigabit network ports.
- Support HDMI2.0 loop out, loop out HDMI input or DP input.
- Support the maximum input resolution is 4096\*2160@60Hz or 7680\*1080@60Hz.
- Support viewing the input signal resolution and number of received cards on the LCD screen of the front panel.
- Support EDID management.
- Support one-click switch between 2D and 3D.
- Cascaded multiple devices for unified control.
- Support brightness and color temperature adjustment.
- Support low light and high gray.
- Support the Kystar Frame Synchronization (KFS) multi-server Frame Synchronization technology. Together with the Kommander server, Kystar Frame Synchronization (KFS) enables multiple servers to carry large screens of more than 16K point-to-point and ensure complete Frame Synchronization.
- Support SDR to HDR image optimization technology, which can improve the contrast of ordinary SDR videos, enhance the image details, so that ordinary videos have HDR effect.

## Panel description



Serial number	Function description
①	Power switch
②	LCD display
③	Function switching area

Port

# Annex: Equipment Dimension Map

