# Visual Switcher K2

# Specification

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## Overview

K2 is a spell control video processor designed for small pitch and large screen. The device has built-in video playback, editing and control functions, supports two 4K@60HZ DP inputs, has multiple monitoring modes, switching modes, complete backup, safe and reliable, The whole machine is loaded with 9.6 million pixels to meet most of the on-site application needs.

## Features

1.  Eight-channel splicing output, four main and four spare custom splicing with 9.6 million pixels.
2.  The maximum horizontal width of a single machine is 16000 pixels, and the maximum vertical height is 8000 pixels.
3.  Support two channels of 4K@60Hz DP input, the maximum resolution can reach 3840*2160@60Hz or 7680*1080@@60Hz.
4.  Support input signal hot backup, when the input signal is lost, it can automatically switch to the designated backup signal.
5.  Embedded operating system, users can observe the current playback screen and all input signals in real time, and complete the WYSIWYG layout operation.
6.  Support built-in storage and external U disk independent playback function.
7.  Support external monitor to monitor all input and output screen contents in real time.
8.  Support real-time capture of the current output screen as a base map.
9.  Support scene pre-editing, do not affect the current playback screen when setting the device parameters, one-key special effects can be pushed after the setting is completed, to prevent misoperation, scene switching without black screen, flickering, stuck or other phenomena.
10. Seamless connection with Kommander series servers.
11. Support external mouse, operation and debugging on the monitor, more convenient
12. Support up to four input signals to be displayed on the screen at the same time, roaming can be arbitrarily stacked.
13. Support more than ten kinds of scene switching special effects such as straight cut, fade in and fade out, and push screen, and support one-click Take and Cut.
14. All layers support cutout and transparency adjustment, as well as arbitrary cropping of the signal source.
15. Support one-key black screen/still.

16. Support to adjust the brightness and contrast of the input signal separately, and support EDID online editing.
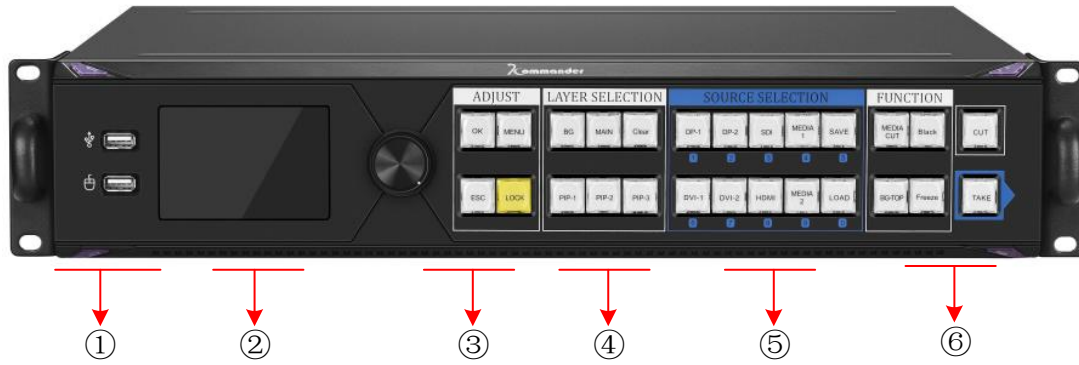
17. Built-in military-grade power supply anti-interference filter to deal with the complex power supply environment on site.

## K2 Software-visual interactive management platform

The user can observe the current playback screen and all input signals in real time, and complete the WYSIWYG layout operation; in the preview mode, the layout and playback content can be visually edited, and then the playback is pushed after confirmation.
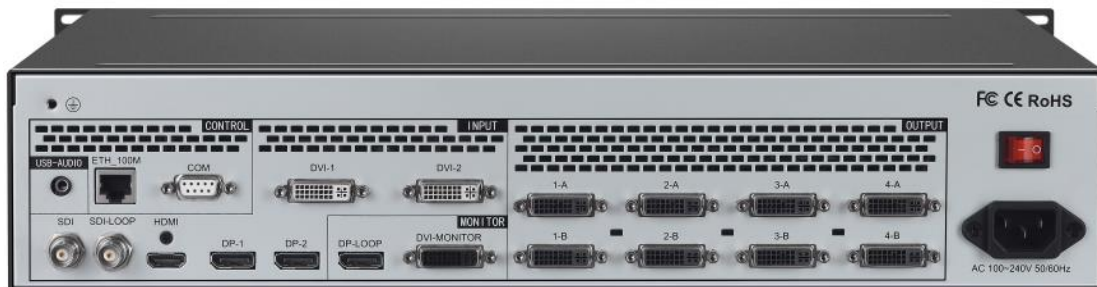


Appearance

| Serial number | Function explanation |
|---|---|
| ① | U disk and mouse interface |
| ② | Full color LCD information screen |
| ③ | Parameter setting, debugging area |
| ④ | Layer (window) quick selection area |
| ⑤ | Signal source quick selection area |
| ⑥ | Function selection area |

**interface specification**

| Input interface | | |
|---|---|---|
| types | quantity | specification |
| DP | 2 | DisplayPort1.2 standard, support 3840*2160@60Hz or 7680*1080@60Hz |
| DVI | 2 | 1.3 standard, maximum support 1920*1080@60Hz |
| HDMI | 3 | Version 1.3, maximum support 1920*1080@60Hz |
| SDI（BNC） | 1+1（LOOP） | Support SD/HD/3G-SDI, support motion adaptive de-interlacing |

| Output interface | | |
|---|---|---|
| types | quantity | specification |
| DVI-D | 4+4 （backup） | Maximum support for 2.4 million custom output resolution; Single channel horizontal resolution up to 4000 pixels; Single channel vertical resolution up to 2000 pixels; |
| DP | 1 | Displayport1.2, support monitoring loop out of signal source |
| DVI-MONITOR | 1 | DVI-D interface, connected to monitor to monitor input and output |

| USB-AUDIO | 1 | Output the sound of internal storage or U disk video |
|-----------|---|------------------------------------------------------|

| Control interface | | |
|-------------------|----------|---------------|
| types | quantity | specification |
| RS-232（DB-9） | 1 | The data transfer rate is　1200、2400、4800、9600、19200、38400、57600、115200bps |
| RJ-45 | 1 | 100M |

| Machine specification | |
|-----------------------|---|
| Input power | AC 100V-240V　50/60Hz |
| 工 work temperature | 0-70℃ |
| Dimensions | 6kg |
| Net weight | 100W |

Attachment equipment size chart     **Unit　mm**