KYSTAR

KYSTAR

—— Product Catalog

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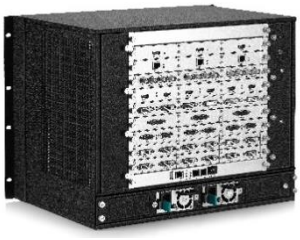
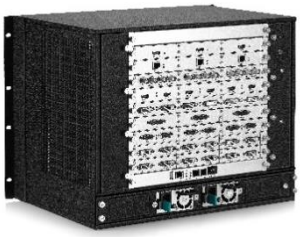
01 Video Processor

Product	Specification	Interface	Resolution
 KS9000	• Maximum number of input & output is up to 96. • Supports displaying 120 windows at the same time, which can easily complete multiple screen control and multiple windows arbitrary layout display. • Supports saving the configuration of the layout as a preset. The user can save up to 200 presets. • Supports seamless switching of signals and presets. • Supports OSD, the user can add pictures and text on the screen without an extra input. • Supports character overlay, the user can add text identification on the input signal. • Supports editing EDID information of the inputs • Supports wireless control of smartphone / tablet.	Inputs: Maximum up to 90, support DP1.2, HDMI2.0/1.4/1.3, DVI, VGA, CVBS, SDI. Outputs: Maximum up to 90 DVI outputs Control ports: RS-232（DB-9 to RJ11)*1, RJ-45*1	Single output: 2.3 million pixels Max Width: 4000 Max Height: 2000 Maximum output resolution: 207 million pixels Max Width: 360000 Max Height: 180000
 KS9000Pro	• Maximum number of input & output is up to 96. • Supports displaying 120 windows at the same time, which can easily complete multiple screen control and multiple windows arbitrary layout display. • Supports seamless switching of signals and presets. • All the inputs and outputs image can be monitored by the control software via LAN, which can realize visualized operation. • Supports editing EDID information of the inputs • Supports visualized and wireless control of smartphone / tablet.	Inputs: Maximum up to 90, support DP1.2, HDMI2.0/1.4/1.3, DVI, VGA, CVBS, SDI. Outputs: Maximum up to 90, support DP1.2, HDMI2.0, DVI. Control ports: RS-232（DB-9 to RJ11)*1, RJ-45*1	Single DVI output: 2.3 million pixels Max Width: 4000 Max Height: 2000 Single DP/HDMI output: 10 million pixels Max Width: 7680 Max Height: 3840 Maximum output resolution: 207 million pixels Max Width: 360000 Max Height: 180000
 U6	• Supports displaying 6 layers at the same time. The position and the size of the layers can be adjusted arbitrarily. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Supports editing EDID information of the inputs. • Supports OSD, the user can add pictures and text on the screen without a extra input. • All the inputs and outputs image can be monitored by the control software via LAN, which can realize visualized operation. • Supports hot backup for input signals. • Supports brightness key , users can remove the specified brightness part of the layer. • Supports visualized and wireless control of smartphone / tablet.	Standard inputs: DVI*1, HDMI*2, VGA*2, CVBS*2, SDI * 1（Including SDI Loop*1） Outputs: DVI*4, MONITOR*1, DVI Loop*1 Control ports: RS-232（DB-9 to RJ11）*1, RJ-45*2	Maximum Resolution: 10.4 million pixels Max Width: 16000 Max Height: 8000

Receiving Card

Product	Specification	Interface	Resolution
 U4Pro	• Supports displaying 4 layers at the same time. The position and the size of the layers can be adjusted arbitrarily. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Supports editing EDID information of the inputs. • Supports OSD, the user can add pictures and text on the screen without a extra input. • All the inputs and outputs image can be monitored by the control software via LAN, which can realize visualized operation. • Supports hot backup for input signals. • Supports brightness key , users can remove the specified brightness part of the layer. • Supports visualized and wireless control of smartphone / tablet.	Standard inputs: DVI*1, HDMI*2, VGA*2, CVBS*2, SDI * 1 (Including SDI Loop*1) Outputs: DVI*4, MONITOR*1, DVI Loop*1 Control ports: RS-232 (DB-9 to RJ11) *1, RJ-45*2	Maximum Resolution: 10.4 million pixels Max Width: 16000 Max Height: 8000
 U4	• Supports displaying 4 layers at the same time. The position and the size of the layers can be adjusted arbitrarily. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Supports editing EDID information of the inputs. • Supports OSD, the user can add pictures and text on the screen without a extra input. • All the inputs and outputs image can be monitored by the control software via LAN, which can realize visualized operation. • Supports hot backup for input signals. • Supports brightness key , users can remove the specified brightness part of the layer. • Supports visualized and wireless control of smartphone / tablet.	Standard inputs: DVI*1, HDMI*2, VGA*2, CVBS*2, SDI * 1 (Including SDI Loop*1) Outputs: DVI*4, MONITOR*1, DVI Loop*1 Control ports: RS-232 (DB-9 to RJ11) *1, RJ-45*2	Maximum Resolution: 6.3 million pixels Max Width: 16000 Max Height: 8000
 U3Pro	• Supports displaying 3 layers at the same time. The position and the size of the layers can be adjusted arbitrarily. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Supports editing EDID information of the inputs. • Supports OSD, the user can add pictures and text on the screen without a extra input. • All the inputs and outputs image can be monitored by the control software via LAN, which can realize visualized operation. • Supports hot backup for input signals. • Supports brightness key , users can remove the specified brightness part of the layer. • Supports visualized and wireless control of smartphone / tablet.	Standard inputs: DVI*1, HDMI*2, VGA*2, CVBS*2, SDI * 1 (Including SDI Loop*1) Outputs: DVI*4, MONITOR*1, DVI Loop*1 Control ports: RS-232 (DB-9 to RJ11) *1, RJ-45*2	Maximum Resolution: 5.2 million pixels Max Width: 16000 Max Height: 8000

Video Processor

Product	Specification	Interface	Resolution
 U3	• Supports displaying 3 layers at the same time. The position and the size of the layers can be adjusted arbitrarily. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Supports editing EDID information of the inputs. • Supports OSD, the user can add pictures and text on the screen without a extra input. • All the inputs and outputs image can be monitored by the control software via LAN, which can realize visualized operation. • Supports hot backup for input signals. • Supports brightness key , users can remove the specified brightness part of the layer. • Supports visualized and wireless control of smartphone / tablet.	Standard inputs: DVI*1, HDMI*2, VGA*2, CVBS*2, SDI * 1 （Including SDI Loop*1） Outputs: DVI*4, MONITOR*1, DVI Loop*1 Control ports: RS-232 （DB-9 to RJ11） *1, RJ-45*2	Copy mode: 2.6 million pixels Max Width: 4000 Max Height: 2000 Splicing mode: Up to 2560*1536
 U2	• Supports synchronous switching of audio and video • Support dual layer display, the position and the size of the layers can be adjusted arbitrarily. • Support seamless switching with fade-in and fade-out effect. • Support scheduled tasks, can automatically switch signal / mode • Support PC software control	Inputs: DVI*1, HDMI*1, VGA*2, CVBS*2, Audio*4 Outputs: DVI*2, Audio*1, DVI Loop*1 Control ports: USB-CFG *1, RS-232 （DB-9） *1	Copy mode: 2.6 million pixels Max Width: 4000 Max Height: 2000 Splicing mode: Up to 2560*1536
 U1	• Supports playing media files from the USB disk. • HD multi-format signal input • Supports fade-in and fade-out switching. • Supports installing 2 LED sending cards. • Support PC software control • Offline scheduled tasks	Input ports: DVI *1, HDMI *1, CVBS *2, VGA*1, USB *1 Optional input SDI*1 Output ports: DVI*2 Control ports: USB-CFG *1、UART(RJ-45)*1	Up to 1920*1200
 Video Wall Controller / Matrix Switcher W12	• Video wall controller mode: supports splicing of 12 screens. • Matrix switcher mode: 8 inputs and 8 outputs, the inputs support DVI, HDMI, VGA, CVBS signals. • All the inputs and outputs image can be monitored by the control software via LAN, which can realize visualized operation. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Support 8 layers display at the same time, the position and the size of the layers can be adjusted arbitrarily. • Supports output mapping. • Supports output color calibration, which can reduce the color difference between each screen.	Inputs: DVI-U*8, compatible with DVI, HDMI, VGA, CVBS Outputs: HDMI*12 Control ports: RS-232 （DB-9） *1、RJ-45*2	Supports 12 LCD screen splicing The maximum output of each output port is 1920 × 1080

Video Processor

Product	Specification	Interface	Resolution
 KT6	• The front panel of KT6 is equipped with a 4.3-inch true color monitor screen, which can monitor the spliced output image or input signal images in real time. • KT6 is equipped with Pandora media play system. Users can edit and manage multimedia files through Kommander PE or Pandora box app. • Users can manage the KT6 via the Kares cloud-based system. • KT6 is equipped with a built-in WIFI AP, which enables devices of Android, IOS, Windows to wirelessly cast display content on the screen. • Supports displaying 6 layers at the same time. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Supports editing EDID information of the inputs. • Supports hot backup for input signals.	Standard inputs: DP*1, DVI*3, HDMI*1, USB*2, Outputs: DVI*4, MONITOR*1, DVI Loop*1, Audio *1 Control ports: RS-232（DB-9 to RJ11）*1, RJ-45*2, NET*1	Maximum Resolution: 10.4 million pixels Max Width: 16000 Max Height: 8000
 KT4Pro	• The front panel of KT4Pro is equipped with a 4.3-inch true color monitor screen, which can monitor the spliced output image or input signal images in real time. • KT4Pro is equipped with Pandora media play system. Users can edit and manage multimedia files through Kommander PE or Pandora box app. • Users can manage the KT4Pro via the Kares cloud-based system. • KT4Pro is equipped with a built-in WIFI AP, which enables devices of Android, IOS, Windows to wirelessly cast display content on the screen. • Supports displaying 4 layers at the same time. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Supports editing EDID information of the inputs. • Supports hot backup for input signals.	Standard inputs: DP*1, DVI*3, HDMI*1, USB*2, Outputs: DVI*4, MONITOR*1, DVI Loop*1, Audio *1 Control ports: RS-232（DB-9 to RJ11）*1, RJ-45*2, NET*1	Maximum Resolution: 10.4 million pixels Max Width: 16000 Max Height: 8000
 KT4	• The front panel of KT4Pro is equipped with a 4.3-inch true color monitor screen, which can monitor the spliced output image or input signal images in real time. • KT4Pro is equipped with Pandora media play system. Users can edit and manage multimedia files through Kommander PE or Pandora box app. • Users can manage the KT4Pro via the Kares cloud-based system. • KT4Pro is equipped with a built-in WIFI AP, which enables devices of Android, IOS, Windows to wirelessly cast display content on the screen. • Supports displaying 4 layers at the same time. • Supports saving the configuration of the layout as a preset. The user can save up to 32 presets. • Supports seamless switching of signals and presets. • Supports editing EDID information of the inputs. • Supports hot backup for input signals.	Standard inputs: DP*1, DVI*3, HDMI*1, USB*2, Outputs: DVI*4, MONITOR*1, DVI Loop*1, Audio *1 Control ports: RS-232（DB-9 to RJ11）*1, RJ-45*2, NET*1	Maximum Resolution: 6.3 million pixels Max Width: 16000 Max Height: 8000

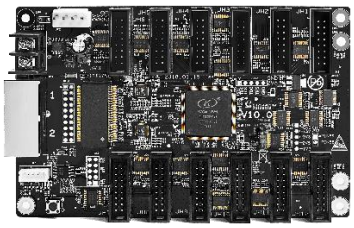
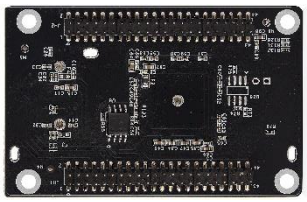
02 Kommander Series

Product	Specification	Interface	Resolution
 **Intelligent Interaction Mixer** **Hero 1000**	• With an interactive design, Hero 1000 is equipped with a 15.6“ LCD touchscreen, aviation level T-bar, 76 reactive keys, 4 adjusting knobs and built-in management system to achieve visualized operation. • It's equipped with 2 groups of DVI output that are back-up to each other. • Supports DP1.2 inputs with a resolution of 3840*2160 or 7680*1080 @ 60Hz • Supports hot backup of input signals. Working with Kommander media servers, it can activate KIR to form a high-level backup system. • Supports built-in media player, which can be used as backups of the input signals. • Supports pre-editing that users can preview presets or create a new preset while playing. • Supports linkage control with external media software. • Supports capturing the current output image to store as a background or back-up image. • Supports up to 4 input signals to be displayed on the screen at the same time. • Supports chroma key, transparency adjustment, and cropping. • Supports adjustment brightness and contrast and editing EDID for each input.	Inputs: DVI *1, HDMI*1, CVBS*2, VGA*1, USB*1, Audio* 2 Outputs: Gigabit Ethernet port *2, Audio*1 Control ports: USB-CFG*1, COM *1	Maximum Resolution: 1.31 million pixels Max Width: 3840 Max Height: 1536
 **Intelligent Interaction Switcher** **K2**	• With a built-in management system and a monitor output, K2 allows the user to use a mouse to edit the layout visually without an extra computer. • It's equipped with 2 groups of DVI output that are back-up to each other. • Supports DP1.2 inputs with a resolution of 3840*2160 or 7680*1080 @ 60Hz • Supports built-in media player, which can be used as backups of the input signals. • Supports video playing of internal storage and external USB disk, which can be used as back-up of the input signals. • Supports pre-editing that users can preview presets or create a new preset while playing. • Supports linkage control with external media software. • Supports capturing the current output image to store as a background or back-up image. • Supports up to 4 input signals to be displayed on the screen at the same time. • Supports chroma key, transparency adjustment, and cropping. • Supports adjustment brightness and contrast and editing EDID for each input.	Inputs: DVI *1, HDMI*1, CVBS*2, VGA*1, USB*1, Audio* 2 Outputs: Gigabit Ethernet port *4, Audio*1 Control ports: USB-CFG*1, COM *1	Maximum Resolution: 2.36 million pixels Max Width: 3840 Max Height: 1080

Product	Specification	Interface	Resolution
 **Media Server F2**	• Supports 8K outputs with 8K video hardware decoding. Ability • Supports more than 40 layer of HD video. • Supports KFS (Kystar Frame Synchronization) that multiple servers can works together synchronously to achieve 16K or higher resolution. • Supports saving layouts as presets which can be seamlessly switched on. • Supports pre-editing that users can preview presets or create a new preset while playing. • Supports simulation screen layout management to achieve visualized operation. • Supports lots of VJ effects like cover, border, transparency, grille... • Supports slave-master mode and backup mode. • Supports NDI network screen capture, web and streaming media • Support playing PowerPoint files with animation effect • Supports system desk clone to display the content of desk • Supports linkage control with video processors and mixers • Can be wireless controlled by Kystar Cloud Control App • Can be remote controlled by UDP protocols • Equipped with EDID emulator.	Input: Microphone *1 Optional inputs: SDI *2, DVI*2 Outputs: DP*4, DVI*1, Audio*2 Control ports: USB*4, LAN*1	Maximum Resolution: 3840*2160 @60Hz*4
 **Professional Media Software** **Super mapper M1**	• Supports 8K video hardware decoding which enables a laptop to play high resolution videos. • Supports 8 layers of video and unlimited layers of picture. • Supports saving layouts as presets which can be seamlessly switch with special effects. • Supports output segmentation and reorganization for mapping special-shaped screen easily. • Supports simulation screen layout management to achieve visualized operation. • Supports pre-editing that users can preview presets or create a new preset while playing. • Supports image deformation and rotation. • Supports projector mapping. • Supports lots of VJ effects like cover, border, transparency, grille... • Supports web / streaming media / NDI capture / capture cards. • Supports playing PowerPoint files with automatic page turning. • Supports play list to arrange the media playing order. • Supports linkage control with splicing processor to achieve scene switching. • Supports slave-master mode and backup mode.	N/A	Maximum: 16K Video layer: 8 Other layers: Unlimited

03 Receiving Card

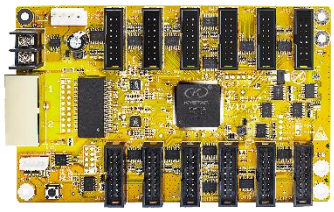
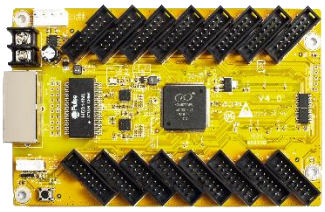
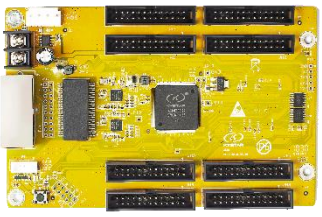
Black Card

Product	Specification	Resolution
 R12	• 12 HUB75E interfaces, no converter board required. • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips. • Support HUB75 interface and 1 ~ 32S arbitrary modules. • Supports seam compensation to eliminate bright or dark lines between tow modules. • Supports special-shaped screens. • Support pixel-by-pixel calibration.	RGB parallel data sets：24 Recommended resolution：128*768
 H611S	• Smaller, thinner and stronger display performance. • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips. • Supports seam compensation to eliminate bright or dark lines between tow modules. • Supports special-shaped screens. • Supports pixel-by-pixel calibration.	RGB parallel data sets：12 Recommended resolution：256*256
 H614S	• High intensive connector. • Smaller, thinner and stronger display performance. • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips. • Supports lamp board flash management. • Supports dual card backup, intelligent module and temperature monitoring. • Supports special-shaped screens. • Supports pixel-by-pixel calibration	RGB parallel data sets：24 Recommended resolution：256*384

Receiving Card

Product	Specification	Resolution
 H7s	• High intensive connector. • Smaller, thinner and stronger display performance. • Supports HDR 10. • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips • Supports temperature, humidity, power supply voltage monitoring on cabinet and fan control. • Supports dual card backup and power backup, intelligent module and temperature detection. • Supports seam compensation to eliminate bright or dark lines between tow modules. • Support pixel-by-pixel calibration • Supports special-shaped screens.	RGB parallel data sets：32 Recommended resolution：512*256
 M5	• DDR2 SODIMM interface. • Smaller, thinner and stronger display performance. • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips. • Supports dual card backup, intelligent module and temperature monitoring. • Supports special-shaped screens. • Supports pixel-by-pixel calibration	RGB parallel data sets：32 Recommended resolution：512*256
 M9	• DDR2 SODIMM interface. • Smaller, thinner and stronger display performance. • Supports HDR 10. • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips • Supports temperature, humidity, power supply voltage monitoring on cabinet and fan control. • Supports dual card backup and power backup, intelligent module and temperature detection. • Supports seam compensation to eliminate bright or dark lines between tow modules. • Support pixel-by-pixel calibration • Supports special-shaped screens.	RGB parallel data sets：32 Recommended resolution：512*256

Gold Card

Product	Specification	Resolution
 G607	• 4 26pin interfaces • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips • Support HUB320 interface and 1 ~ 32S arbitrary modules • Support pixel-by-pixel calibration	RGB parallel data sets：24 Recommended resolution：256*384
 G612	• 12 HUB75E interfaces, no converter board required • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips • Support HUB75 interface and 1 ~ 32S arbitrary modules • Support pixel-by-pixel calibration	RGB parallel data sets：24 Recommended resolution：128*768
 G616	• 16 HUB75E interfaces, no converter board required • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips • Support HUB75 interface and 1 32S arbitrary modules • Support pixel-by-pixel calibration	RGB parallel data sets：32 Recommended resolution：128*1024
 G628	• 8 HUB320 interfaces, no converter board required • Supports Kystar Retina Color Rendition to display the real color. • Supports arbitrary frequency multiplying to eliminate the scanning line when shooting photos. • Supports low brightness with high gray mode. • Supports all of PWM, dual-latch and common chips • Support HUB320 interface and 1 ~ 32S arbitrary modules • Support pixel-by-pixel calibration	RGB parallel data sets：32 Recommended resolution：256*512

04 Sending Card

Product	Specification	Interface	Resolution
 ES2	• Supports EDID management • Supports easy recovery function, when the user changes the receiving card, ES2 can resend the configuration stored in the device, so as to complete the system recovery without reconfiguring the parameters. • Supports Ethernet ports backup • Supports Audio transmission	Inputs: DVI*1, Audio*1 Outputs: Gigabit Ethernet port* 2 Control ports: USB-CFG*1	Maximum Resolution: 1.3 million pixels Max Width: 4000 Max Height: 2000
 ES2BOX	• Supports brightness cascade control • Supports external light probe to achieve automatic adjustment of screen brightness • Supports EDID management • Supports easy recovery function, when the user changes the receiving card, ES2Box can resend the configuration stored in the device, so as to complete the system recovery without reconfiguring the parameters. • Supports Ethernet ports backup • Supports Audio transmission	Inputs: DVI*1, Audio*1 Outputs: Gigabit Ethernet port*2 Control ports: USB-CFG*1, Light probe port*1, Cascade port*2	Maximum Resolution: 1.3 million pixels Max Width: 4000 Max Height: 2000
 ES4	• Supports brightness cascade control • Supports external light probe to achieve automatic adjustment of screen brightness • Supports EDID management • Supports easy recovery function, when the user changes the receiving card, ES4 can resend the configuration stored in the device, so as to complete the system recovery without reconfiguring the parameters. • Supports Ethernet ports backup • Supports Audio transmission	Inputs: DVI*1, Audio*1 Outputs: Gigabit Ethernet port*4 Control ports: USB-CFG*1, Light probe port*1, Cascade port*2	Maximum Resolution: 2.6 million pixels Max Width: 4000 Max Height: 2000
 ES16	• Supports DP1.2 and HDMI2.0 input, which resolution can reach 4K*2K or 8K*1K @60Hz. • Four DVI inputs, each DVI input supports 2.5 million pixels custom resolution. Independent mode:ES16 works as four controllers, one DVI input is corresponding to 4 LAN outputs. 4K mode: four DVI inputs combine to be a 4K input. • Supports 3D mode, enables LED screen display 3D content. Supports 2D / 3D one-key switching. • Supports HDR image enhancement, which enables the SDR source to be played as the HDR source. • Supports KFS (Kystar Frame Synchronization), which enables multiple Kommander servers to work synchronously. • Supports Kystar Retina Color Rendition technology. • Supports data backup, which can realize one-click recovery.	Inputs: DVI *4, DP1.2 *1, HDMI2.0*1 Outputs: Gigabit Ethernet port *16, HDMI Loop*1 Control ports: USB-CFG*1, COM *1, NET*1, 3D sync*1	Maximum Resolution: 10 million pixels Max Width: 8000 Max Height: 4000

05 Pandora Series

Product	Specification	Interface	Resolution
  P1	• Designed for LED screen media playing. • Supports a variety of communication methods such as LAN, direct connection and USB upload • Equipped with built-in 8GB (system occupies 2.5G) storage, can be expanded by U disk • 3.5mm Audio output port, support Audio and video synchronous output • Supports multiple layers and multiple media files to display on the screen at the same time • Kommander PE program editing, drag and drop operation • Can be controlled by Kares Cloud-based Management System.	Inputs: USB2.0*2 Outputs: Gigabit Ethernet port*2 Audio*1 Control ports: USB*1 100M Ethernet port * 1:	Maximum Resolution: 650000 pixels Max Width: 4064 Max Height: 1536
  P2	• Designed for LED screen media playing. • Supports a variety of communication methods such as LAN, direct connection and USB upload • Equipped with built-in WIFI AP. • Equipped with built-in 8GB (system occupies 2.5G) storage, can be expanded by U disk • 3.5mm Audio output port, support Audio and video synchronous output • Supports multiple layers and multiple media files to display on the screen at the same time • Kommander PE program editing, drag and drop operation • Can be controlled by Kares Cloud-based Management System.	Inputs: USB2.0*2 Outputs: Gigabit Ethernet port*2 Audio*1 Control ports: USB*1 100M Ethernet port * 1:	Maximum Resolution: 1.3 million pixels Max Width: 4064 Max Height: 1536

06 2 in 1 Controller

Product	Specification	Interface	Resolution
 LS2	• Supports playing videos or pictures from USB disk. • Supports the data-read-back function, users can quickly get the correct configuration parameters from the receiving card when replacing the controller. • Supports easy recovery function, when the user changes the receiving card, LS2 can resend the configuration stored in the device, so as to complete the system recovery without reconfiguring the parameters. • Users can complete the cabinet mapping of the LED screen according to the guidance through the navigation menu without a computer. • Supports seamless switching with fade-in and fade-out effect.	Inputs: DVI *1, HDMI*1, CVBS*2, VGA*1, USB*1, Audio* 2 Outputs: Gigabit Ethernet port *2, Audio*1 Control ports: USB-CFG*1, COM *1	Maximum Resolution: 1.31 million pixels Max Width: 3840 Max Height: 1536
 LS4	• Supports playing videos or pictures from USB disk. • Supports the data-read-back function, users can quickly get the correct configuration parameters from the receiving card when replacing the controller. • Supports easy recovery function, when the user changes the receiving card, LS4 can resend the configuration stored in the device, so as to complete the system recovery without reconfiguring the parameters. • Users can complete the cabinet mapping of the LED screen according to the guidance through the navigation menu without a computer. • Supports seamless switching with fade-in and fade-out effect.	Inputs: DVI *1, HDMI*1, CVBS*2, VGA*1, USB*1, Audio* 2 Outputs: Gigabit Ethernet port *4, Audio*1 Control ports: USB-CFG*1, COM *1	Maximum Resolution: 2.36 million pixels Max Width: 3840 Max Height: 1080
 LS4Pro	• Supports dual layers, which can make PIP or POP. • Supports DVI Loop-out and multi-machine cascade for high resolution • Supports the data-read-back function, users can quickly get the correct configuration parameters from the receiving card when replacing the controller. • Supports easy recovery function, when the user changes the receiving card, LS4Pro can resend the configuration stored in the device, so as to complete the system recovery without reconfiguring the parameters. • Users can complete the cabinet mapping of the LED screen according to the guidance through the navigation menu without a computer. • Supports seamless switching with fade-in and fade-out effect.	Inputs: DVI *1, HDMI*1, CVBS*2, VGA*2, Audio* 4 Outputs: Gigabit Ethernet port *4, Audio*1, DVI Loop*1 Control ports: USB-CFG*1, COM *1	Maximum Resolution: 2.6 million pixels Max Width: 3840 Max Height: 1920

2 in 1 Controller

Product	Specification	Interface	Resolution
 LS6	• Supports dual layers, which can make PIP or POP. • Supports DVI Loop-out and multi-machine cascade for high resolution • Supports the data-read-back function, users can quickly get the correct configuration parameters from the receiving card when replacing the controller. • Supports easy recovery function, when the user changes the receiving card, LS6 can resend the configuration stored in the device, so as to complete the system recovery without reconfiguring the parameters. • Users can complete the cabinet mapping of the LED screen according to the guidance through the navigation menu without a computer. • Supports seamless switching with fade-in and fade-out effect.	Inputs: DVI *1, HDMI*1, CVBS*2, VGA*2, Audio* 4 Outputs: Gigabit Ethernet port *6, Audio*1, DVI Loop*1 Control ports: USB-CFG*1, COM *1	Maximum Resolution: 3.9 million pixels Max Width: 3840 Max Height: 1536
 LS8	• Supports dual layers, which can make PIP or POP. • Supports DVI Loop-out and multi-machine cascade for high resolution • Supports the data-read-back function, users can quickly get the correct configuration parameters from the receiving card when replacing the controller. • Supports easy recovery function, when the user changes the receiving card, LS6 can resend the configuration stored in the device, so as to complete the system recovery without reconfiguring the parameters. • Users can complete the cabinet mapping of the LED screen according to the guidance through the navigation menu without a computer. • Supports seamless switching with fade-in and fade-out effect.	Inputs: DVI *1, HDMI*1, CVBS*2, VGA*2, Audio* 4 Outputs: Gigabit Ethernet port *8, Audio*1, DVI Loop*1 Control ports: USB-CFG*1, COM *1	Maximum Resolution: 4.8 million pixels Max Width: 3840 Max Height: 1536
 LS16Pro	• Two in one controller with 16 ethernet ports • 8-layer arbitrary layout • Dual channels of 4K@60Hz input ports • Chroma key and transparency adjustment Supported • Supports Input preview and output monitoring • Multi-machine cascading for higher resolution • Supports seamless switching with fade-in and fade-out effect. • Supports hot backup of input signals.	Inputs: DP*2, DVI*2, HDMI*3, SDI*1 Outputs: Gigabit Ethernet port *16 DVI Monitor*1, DP Loop*1 Control ports: USB-CFG*1, COM *1, NET*1	Maximum Resolution: 9.6 million pixels Max Width: 16000 Max Height: 8000