

U3/U3Pro

Three-Image Splicing Processor



- ◇ U3 Support user-defined 2.6 mega-pixel output, U3Pro Support user-defined 5.2 mega-pixel output
- ◇ U3 Max. load of 2560×1536@60Hz in mosaic mode, U3Pro Output pixels up to 15360 horizontally or 6144 vertically
- ◇ Free 3-image layout, enabling easy central control of the main and side stage screens.
- ◇ Support signal echoing and view real-time input and output signals by software
- ◇ Support multi-image preview and output monitoring.
- ◇ Support 4K UHD signal processing
- ◇ Overlay of multi-group editable and global image-texts and captions.
- ◇ Seamless switching of signal and mode, with over 10 transition special effects.

- ◇ Support luma key, image transparency adjustment and edge feathering
- ◇ Support warm backup of multi-level input signals and multi-machine synchronous cascade outputs

Free Display of Multiple Output Modes

U3 enjoys two splicing outputs and 1 pre-monitoring output. With 2.6 mega-pixel user-defined output for a single port in the copy mode, it allows the user to change the aspect ratio and refresh rate of the resolution freely.



Meanwhile, the U3 splicing mode can be loaded up to 2560 × 1536@60H, allowing free splicing of 2X1 and 1X2 by the user based on the site condition



Max. load of $2560 \times 1536 @ 60\text{Hz}$ in splicing mode ↵

U3Pro is a 4 outputs device that supports horizontal, vertical and cross splicing. Supports user-defined 5. meg-pixel output. It also supports user-define output resolution, allowing users to freely change aspect ratio of resolution and refresh rate.



横向拼接 15360×400



田字拼接 3072×1680



纵向拼接 960×6144

Multi-format signal processing



Multi-format Signals Processing

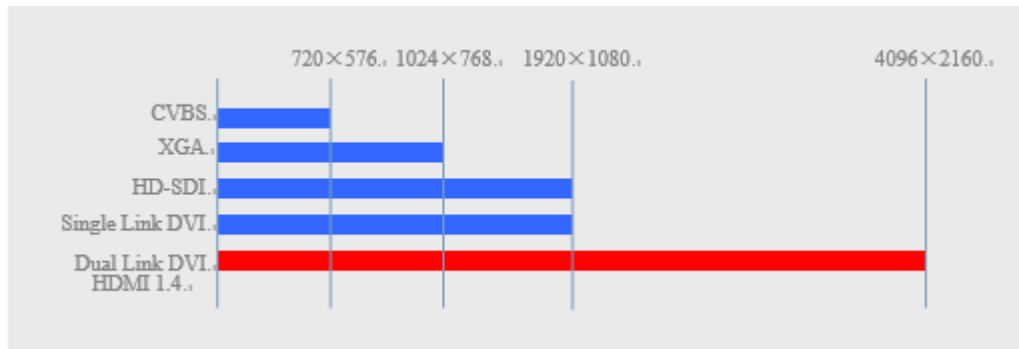
U3/U3PRO is compatible with a variety of input signals : DVI×1, HDMI×1, VGA×2, CVBS×2, SDI×1 and expansion slot×1.

U3/U3PRO enables the simultaneous display of three windows on a single screen. The size location and hierarchical relationship of each window can be adjusted independently.



4k Processing

Accommodating 4k signal input terminals including HDMI 1.4 and Dual Link DVI, U3/U3PRO enables an input resolution up to 4096×2160, conveniently realizing UHD display of large LED screens!



Free Display of Three Windows

Images And Texts Overlay

U3/U3PRO is able to generate independent images and texts overlay layer. The user is allowed to overlay pictures or characters on the signal image conveniently with the KYSTAR control software . The overlaid contents can be stored in the equipment.



Multi-screen Combination and Special-shaped Splicing

U3/U3PRO can not only display 3 windows on a screen, but control 3 LED screens simultaneously as well, each of which can display

independently or be combined into a complete image. Besides, pixel pitch of such screens can be different.

Seamless Transition With Effects



Seamless Transition With Effects

Whether in case of a signal or a preset, U3/U3PRO is capable of seamless transition, without any blackout, glimmer or delay in the process; Besides, U3/U3PRO owns over ten transition effects for choice by the user, adaptable for different applications.

Ethernet monitoring & control in real time

Ethernet control

U3/U3PRO can be compatible with KYSTAR management software via Ethernet or serial communication. Users can configure parameters on U3/U3PRO through management software, adjust window layout, complete special effects switching, set up scheduled tasks etc.



Ethernet monitoring and preview

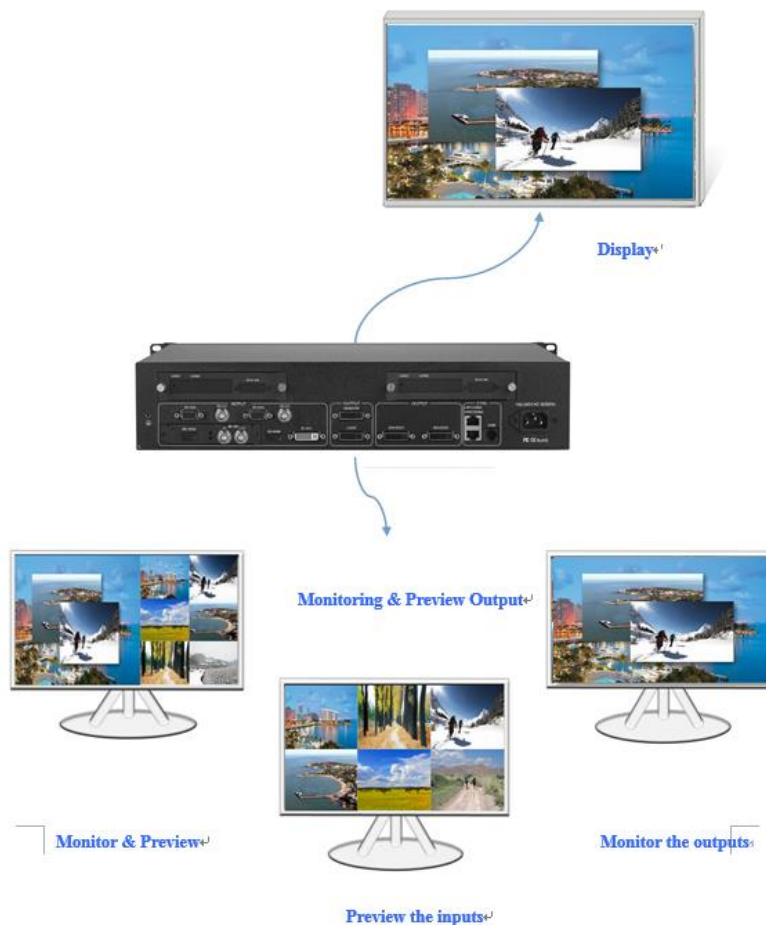
Via Ethernet, users can not only configure the parameters of U3/U3PRO, but achieve monitoring and preview through the KYSTAR management software in real time.

Local Monitoring And Preview

Local monitoring and preview

There' re three modes when using the local monitor & preview output of U3/U3PRO:

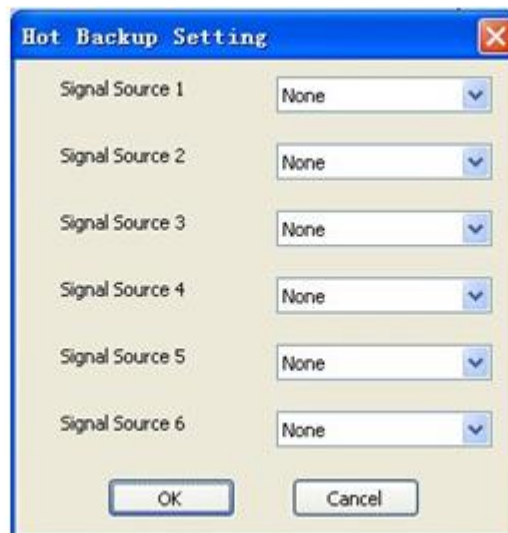
1. Monitor the outputs, showing the same image with the Display.
2. Preview the inputs, showing 6 inputs images in the same time.



Hot Backup of InputSignals

Hot Backup

Users can specify the backup signal for signal source . If current signal goes wrong, the system will automatically detect and call the backup signal immediately. And if the signal returns to normal, the system will transfer back to the original signal intelligently. Building parallel system with this function, the reliability of scene can be guaranteed efficiently.



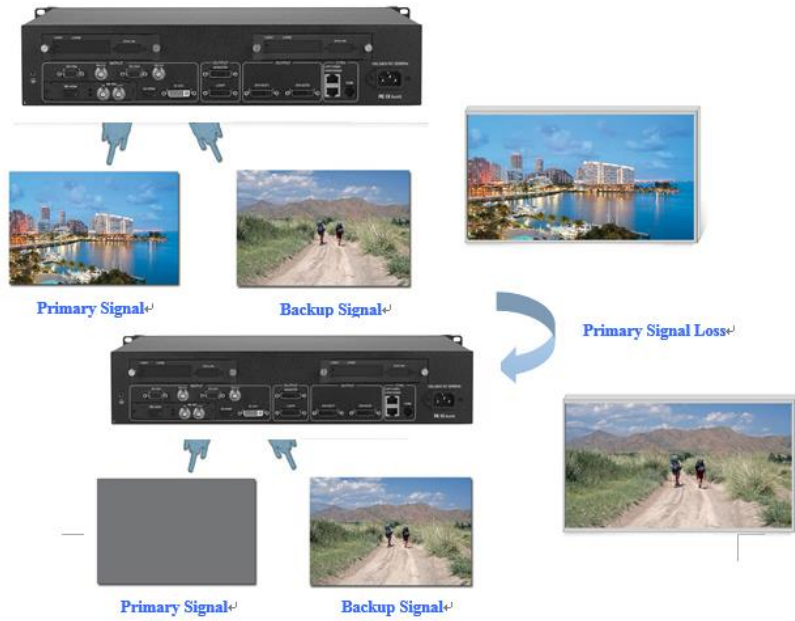


Image Configuration

Transparency adjusting and edge feathering

In order to integrate the different layers of image well, U3/U3PRO can change the transparency of each windows or achieve edge feathering effect.



Independent brightness control

U3/U3PRO can adjust the brightness of each inputs independently so that the user can improve the quality of the specific image without influence to the others.

