S902 Datasheet

4x2 UHD Quad View Processor with Seamless switcher

(The most advanced product with full flexibility)

4x HDMI 2.0 input and two UHD output ports

Input: up to 4096*2160 @60Hz, 4:4:4 chroma sampling

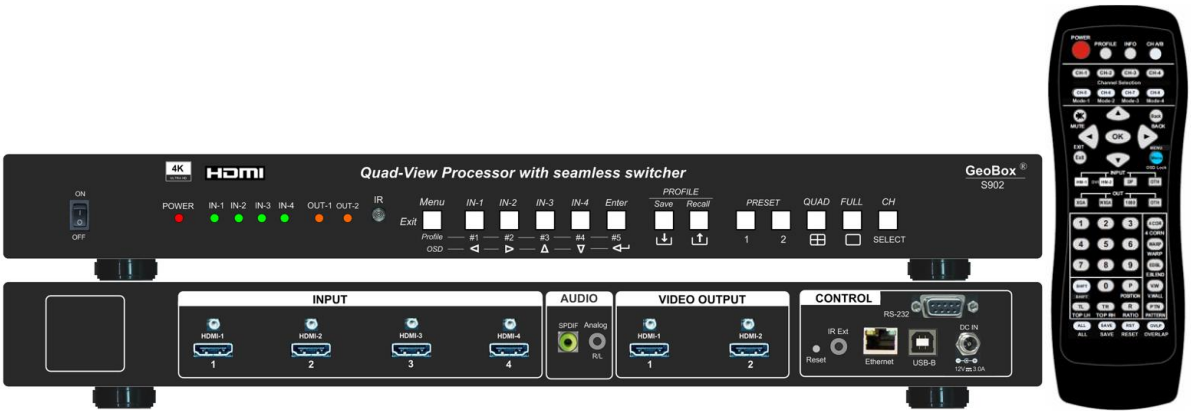
Dual outputs with same or different contents in each display

Multiple display windows with flexible image size, cropping, location and overlap

Image Fade in, Fade out, Dissolve and Wipe

Chromakey function

True 10-bit processing and up/down scaling



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Introduction

S902 is 4x2 UHD Quad-View processor and displays up to four 4k/60 sources on one or two UHD displays simultaneously. Each display can show up to 4 windows with flexible image positioning, sizing and cropping and overlapping. It provides the most flexible and cost-effective solution in the market to route up to 4x 4k/60 sources to two separate displays simultaneously. User may quickly select display mode from 9 default multi-view layout presets and 9 custom layout presets.

4x HDMI 2.0 input and 2x HDMI 2.0 outputs are designed in S902. Input supports up to 4096*2160 @60Hz with 4:4:4 chroma sampling. No VESA standard input timings are also supported up to 600 MHz.

It is integrated with 10-bit high end processor, motion adaptive de-interlace, low angle smooth algorithm, 3:2/2:2 pull-down cadence and all kind of noise reduction.

Image Fade-in, Fade-out, Dissolve, Wipe transitions are supported. Chromakey allows user to remove the background color from the image and combine the image with another input source.

Audio format pass through, RCA SPDIF digital audio and analog 3.5mm R/L audio jack R/L are integrated. User can assign audio from input ports to each output port freely.

Up to 4 display windows can be presented in each output. Each output can display the same or different contents with various display layout. Each display window with flexible input selection and image positioning, resizing, cropping and color adjustment.

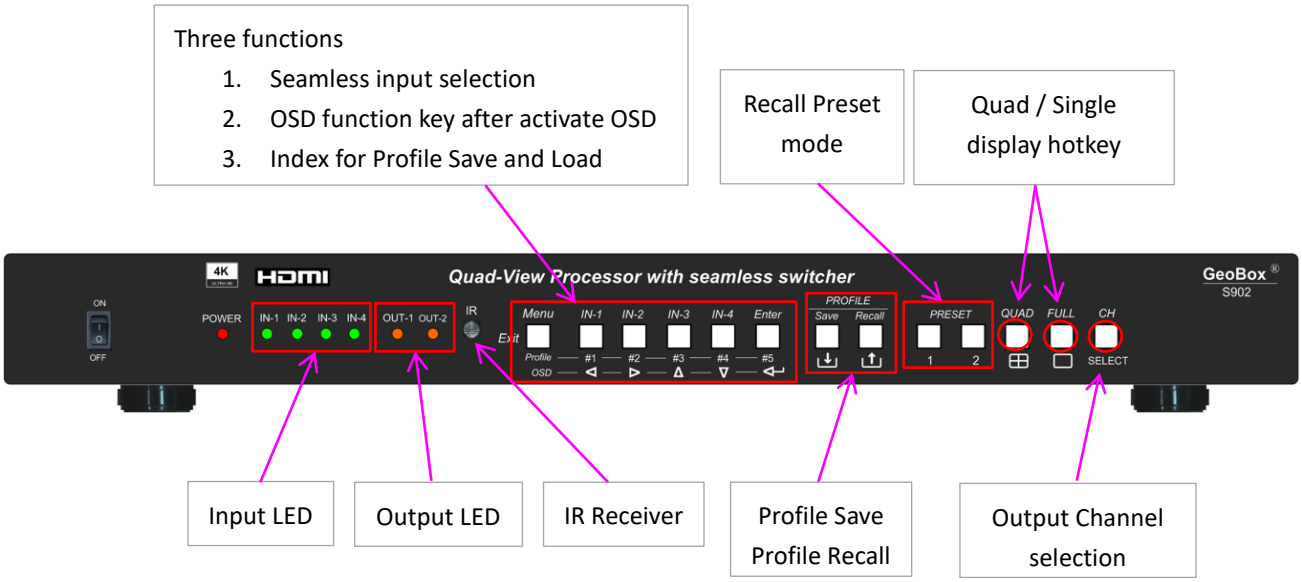
Support HDR BT.2020 input signal with HDR pass through function.

This unit can be control thru IR controller, front panel push button, USB, WebUI and Ethernet to provide flexible control methods to fit all kinds of applications. UDP function is integrated in Ethernet control as well for more convenient control in multiple unit application. Up to 18 settings in S902 can be recalled through all kinds of control system. It is designed to work in 7/24 working environment and provides easy configuration, low entry barrier, cost effective, reliable and flexible solution.

Application

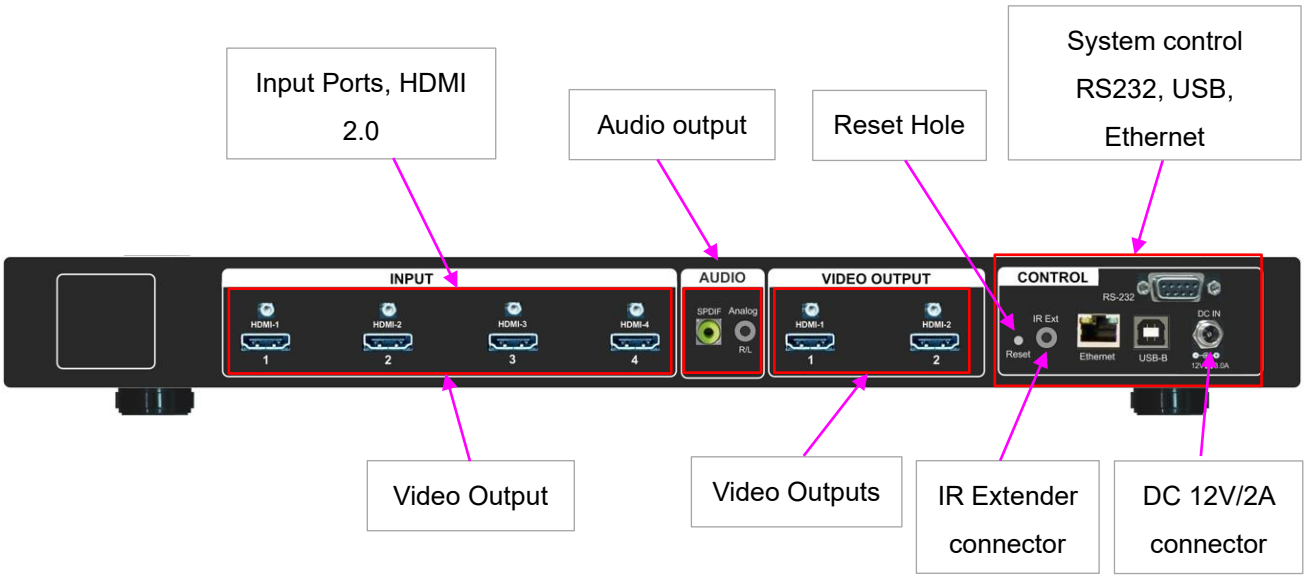
- Digital signage
- Security & surveillance systems
- Education
- Conference room
- Presentation halls
- Video content post production
- Video editing studio

Front panel



Back panel

User can connect signal source to any of the input ports for two output ports.

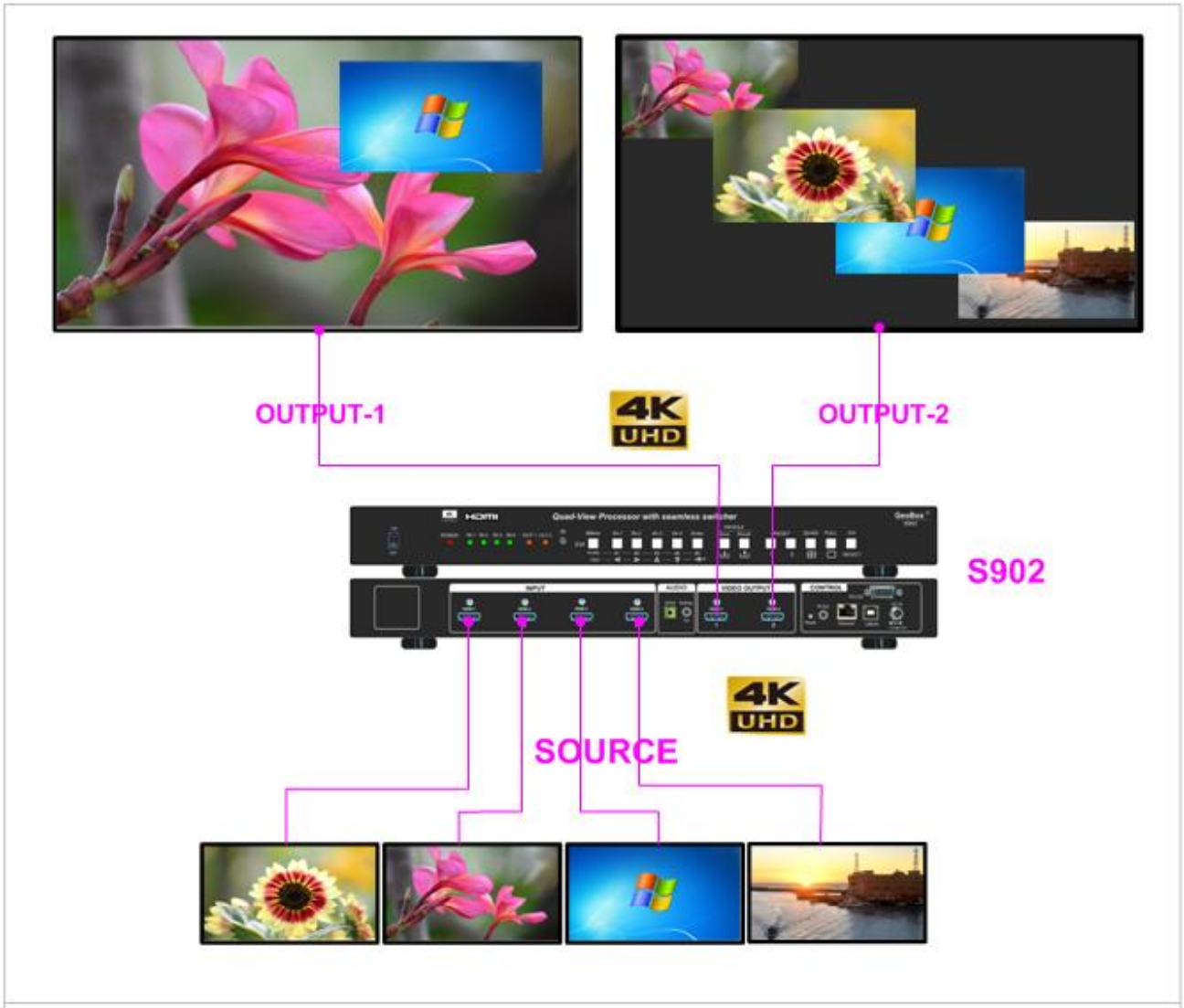


Specifications

- ✧ Input ports: 4x HDMI 2.0. Input signal source quick seamless switching.
- ✧ Max. input: 4096*2160 @60Hz.
- ✧ Supports interleaved and progressive input signals with 4:4:4, 8/10-bit color.
- ✧ Support High Dynamic Range (HDR): SMPTE ST-2084, SMPTE ST-2086 and BT.2020 HDR 10 input signal processing and pass through.
- ✧ Support non-VESA standard input with high end scaling up and scaling down function up to 600 MHz.
- ✧ Preset 12 output timing modes.
- ✧ Output signal: Progressive full color RGB 4:4:4.
- ✧ HDCP: V2.2/V1.4 compliant.
- ✧ Support xvYCC 8/10/12-bit wide color gamut input signal processing.
- ✧ One frame latency: 16.7ms (V=60Hz)
- ✧ Programmable EDID in the range at H= 1024-4080 (8 pixels/step), V= 720-3840 (1 pixel/step)
- ✧ PIP/POP and Quad View functions in two outputs with flexible input selection, layout, resizing, cropping and positioning.
- ✧ Each display window can set with different name and border color.
- ✧ Support variable Transition including Fade-in, Fade-out, Dissolve and Wipe.
- ✧ Chromakey function to extract video from specific background color and combine with other contents.
- ✧ Individual color adjustment in each display window and input source.
- ✧ Selectable high end video processing: 10-bit processor, 3:2/2:2 cadence, low angle smooth algorithm and all kinds of noise reduction.
- ✧ High quality scaling engine for image scaling up and down in the range from XGA to 4k/2k.
- ✧ 3D motion adaptive de-interlace for interlaced input.
- ✧ Image flip, cropping, scaling, resizing, positioning & color adjustment in each display windows.
- ✧ Selectable embedded HDMI audio, SPDIF digital and analog 3.5mm Jack R/L audio output.
- ✧ ESD Protection: ±15kV (Air-gap discharge), ±8kV (Contact discharge)
- ✧ DC power supply: DC adapter: 12V 2A (100V-240V), max. Power consumption: 2A (24w)
- ✧ Working environment: 40° C, 10-90% RH
- ✧ Control: Front panel keypad, IR remote controller, RS232, USB, Ethernet, WebUI.
- ✧ 10 custom settings can be stored and backup.
- ✧ Dimensions (Body only): 440mm*160mm*41mm (without protruding parts).
- ✧ Weight: 2.4kg (body only)
- ✧ CE/FCC/RoHS Certified
- ✧ 2 Year Warranty, extension package is available up to 5 years.

Feature illustration

Each output can display up to 4 windows. Each window can be located at any position with flexible resizing, cropping, aspect ratio adjustment and overlap priority setting.



New remote controller

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