

# KanexPro®

## SW-HD20-3X1 4K

### True 4K HDMI 3X1 Switcher with HDCP2.2

#### User Manual

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

#### Introduction

The KanexPro SW-HD20-3X14K is a high-performance, three HDMI input to one HDMI output switcher engineered to support True4K UHD resolutions up to 4K@60Hz with HDCP2.2 specifications. It also supports all 3D TV formats and Full HD 1080p resolutions. Instantly switch between your 4K HDMI devices to one display and control the switch using IR remote included. Perfect for home theater rooms, small offices and other applications where there is a need to switch three HDMI sources to one 4K display.

#### Features

- Auto switch three HDMI sources to one 4K display
- True 4K@60Hz UHD, 1080p & 3D resolutions
- 4Kx2K @30Hz with 24bit RGB, YCBCR 4:4:4 & YCBCR 4:2:2.
- 4Kx2K @60Hz with 12bit YCBCR 4:2:0
- Computer resolutions up to QSXGA@60Hz
- Supports 3D frame sequential video formats to 1080p @60Hz
- HDCP 2.2 compliant
- Digital audio support: LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- High bandwidth for ultimate video experience
- Front-panel LED's for input/ output signal presence
- Ultra compact design
- 5V DC external power supply included
- Includes IR remote

## Package Includes

UHD 3x1 HDMI Switcher-----	1Pcs
5V/1A DC power adaptor-----	1Pcs
Remote Control-----	1Pcs
38KHz IR Receiver Cable-----	1Pcs
User manual-----	1pcs

## Specifications

<b>Video Bandwidth</b>	300MHz/10.2 Gbps
<b>Input Ports</b>	3 x HDMI (Female type)
<b>Output Ports</b>	1 x HDMI (Female type)
<b>Output Resolution</b>	480i ~1080p50/60, 4Kx2K@24/30, 4k2k@60Hz with 12bit YCBCR 4:2:0, VGA~UXGA
<b>ESD Protection:</b>	±8 kV (air-gap discharge)
<b>Human Body Test:</b>	±4 kV (contact discharge)
<b>Power Supply :</b>	5 V/1A DC
<b>Dimensions</b>	2.51” (W) × 6.1” (D) × .67” (H) 64 mm (W) × 155mm (D) × 17 mm (H)
<b>Weight</b>	6.35 oz. (180 g)
<b>Chassis Material</b>	Metal
<b>Operating Temperature</b>	0 °C~40 °C/ 32 °F~104 °F
<b>Storage Temperature</b>	-20 °C ~ 60 °C/-4 °F ~140 °F
<b>Relative Humidity</b>	20~90 % RH (non-condensing)
<b>Power Consumption</b>	2W

## Connecting Directions and Operation

Using a high-speed HDMI cable, connect any media sources (EX: Blu-Ray player, gaming platform, satellite receivers, computers, etc.) equipped with HDMI output interfaces to the SW-HD20-3X14K Switchers inputs.

Using a high-speed HDMI cable, connect the HDMI output of the SW-HD20-3X14K to a high-definition display device (EX: HD-LCD, HD-DLP, HD projectors, etc.) with HDMI input interfaces.

**NOTE:** To achieve the best performance with the SW-HD20-3X14K, adhere to recommended specifications for proper high-speed HDMI cable runs and signal length according to HDMI Specification V2.0.

The SW-HD20-3X14K is powered by an external 5VDC power supply included in the packaging. Before connecting any power supplies, be sure all source and sync devices interfacing with the SW-HD20-3X14K are powered down and unplugged. Connect the power supply to the electrical outlet first. Next connect the power jack to the SW-HD20-3X14K. Finally, connect power to each media source and each HD display.

## Front Panel



- 1. 'POWER' LED:** This blue LED illuminates when the device is connected to the power supply.
- 2. IN 1, IN2, IN3 LED:** These blue LEDs illuminate when an Input Source is selected. The Illuminated LED indicates the Input Source being transmitted to the HDMI output.
- 3. SERVICE:** This service port is for Manufacturer's use only.
- 4. IR Receiver:** The IR Receiver interfaces with the included remote control. Connect the IR Receiver to the SW-HD20-3X14K via the 3.5mm jack input labeled 'IR.' Next secure the IR Receiver end to a visible and open surface using a light adhesive or tape. Connect the batteries in the remote control. Select the desired input source on the switcher using your remote control.

**NOTE:** Be sure the remote control has direct line of sight to the IR receiver end. IR requires open line of sight between the remote and the receiver in order to work properly.



38KHz IR Receiver

**5. INPUT BUTTON:** Pressing ‘Input button’ will select between different input sources. Press the “Input Button” until the desired input source has been selected.

## Rear Panel



**1. HDMI IN1, IN2, IN3:** Using a high-speed HDMI cable, connect media devices to each input port via the HDMI output of your devices (Blu-Ray Player, Gaming Console, PC, etc.).

**2. HDMI OUT:** Using a high-speed HDMI cable, connect the HDMI output of the SW-HD20-3X14K to a high-definition display (HD-LCD, HD-DLP, HD projectors, etc.).

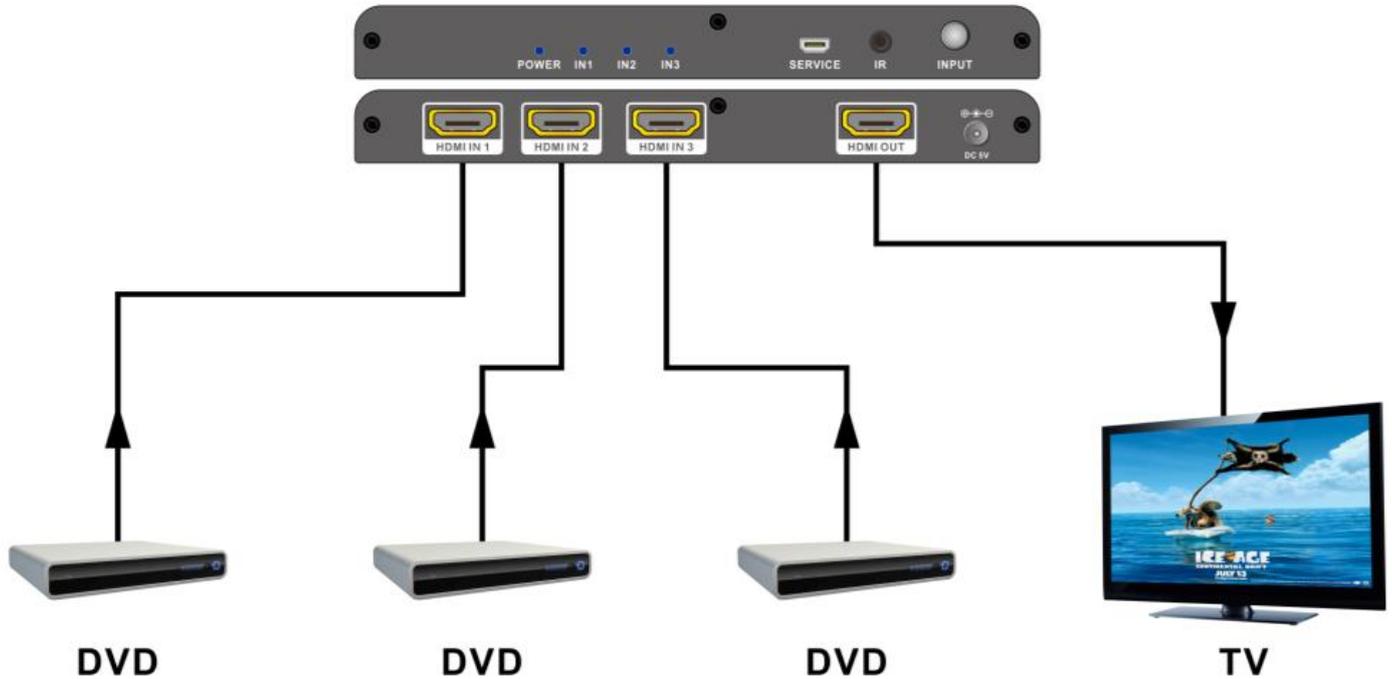
**3. DC 5V:** Plug the included 5V DC power supply jack into the unit and connect the adaptor to an AC outlet.

## Remote Control



Input source select buttons: the Blue LEDs on the panel will indicate the input source selected.

## Connection Diagram



## Warranty

KanexPro warrants its products will greatly perform to their published specifications and will be free from defects in materials and workmanship under normal use, conditions and service for up to three years. For more information regarding warranty details, please visit: <http://www.kanexpro.com/warranty/>.

## Support

KanexPro Technical and Customer support inquiries can be sent electronically via the following avenues:

Tech Support Inquiry: <http://www.kanexpro.com/support/>

Email: [support@kanexpro.com](mailto:support@kanexpro.com)

KanexPro Customer support can be reached via phone at (888) 975-1368 (International Calls: 1-714-332-1682) during the following times:

Monday – Friday: 6:00 am – 5:00 pm PST

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