

## HDMI Switches, Splitters and Matrix



### HDMI Switches

The 3x1 and 5x1 HDMI Switcher routes high definition video (in multiple resolutions up to 1080p) and digital audio from any one to three sources or one of the five sources to the display unit. All inputs accommodate the connections of the high definition video sources simultaneously, compatible with HD-DVD/Blu-ray DVD players, SKY-STB, PS3, Xbox36 and more. The output sends the high definition audio/video signals to a high definition display. The high performance HDMI Amplifier Switcher not only has the key-press-switching function, but also has the IR remote control and intelligent function. When the power supply of the source equipment is switched, this switcher will respond automatically.

### HDMI Splitter

The HDMI splitter distributes the input of the HDMI signal into the four identical outputs simultaneously. It supports HDCP and the real HDMI 1.3b. Its video amplifier bandwidth can be up to 2.25 Gpbs/225MHz.

The HDMI Splitter offers solutions for HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, educational and corporate training environments.

### HDMI Matrix

The 4x2 and 4x4 HDMI Matrix allows four HDMI devices to be switched into two or four HDMI compatible monitors or projectors. The HDMI Matrix eliminates the need to disconnect and reconnect sources to a display equipped with one input. It works with HD-DVD players, Blue Ray DVD, PS3, and satellite boxes that connect to two HDMI displays. Every source is accessible at all times by any display by selecting it with an IR remote. Imagine having all of your HDMI devices (DVD Player, satellite or cable box, etc.) connected to one television, in a

### KEY FEATURES

- Route High Definition video and digital audio from any one to three or one to five sources to the display unit
- Distributes the input of the HDMI signal into the four identical outputs simultaneously
- Switch four HDMI devices to two or four HDMI compatible monitors or projectors

living room, but being able to use the DVD Player or satellite/cable receiver in a bedroom or basement. The HDMI Matrix allows this by the use of one remote, allowing you to have less devices and more free space.

### Model Selection Guide

Model No.	Product Description
HSW0301D	HDMI 3x1 Switch
HSW0501	HDMI 5x1 Switch
HSP0104BS	HDMI 1x4 Splitter
HSS0402	HDMI 4x2 Matrix Switch
HSS0404	HDMI 4x4 Matrix Switch

## HDMI Product Specifications

HDMI 3x1 Switch				
	Input Video Signal	0.5-1.0 volts p-p	Limited Warranty	1 Year Parts and Labor
	Input DDC Signal	5 volts p-p (TTL)	Operating Temperature	0 jæ to +70jæ
	Maximum Single Link Range	1920X1200, 1080P	Operating Humidity	10% to 85 % RH (no condensation)
	Output Video	HDMI 1.3b + HDCP 1.0/1.1	Storage Temperature	-10jæ to +80jæ
	DTV/HDTV	480i/576i/480p/576p/720p/1080i/1080P	Storage Humidity	5% to 90 % RH (no condensation)
	HDMI Compliance	HDMI 1.3b	External Power Supply	No power needed
	Video Amplifier Bandwidth	2.5Gpbs/250MHz	Converter Unit	FCC,CE,UL
	Vertical Frequency Range	50/60Hz	Power Supply	UL,CE,FCC
	Interlaced(50&60Hz)	480i,576i,1080i	AC Power Adapter	US standard, UK standard
	Progressive(50&60Hz)	480p,576p,720p,1080p		
HDMI 5x1 Switch				
	Input Video Signal	0.5-1.0 volts p-p	Limited Warranty	1 Year Parts and Labor
	Input DDC Signal	5 volts p-p (TTL)	Operating Temperature	0 jæ to +70jæ
	Maximum Single Link Range	1920X1200, 1080P	Operating Humidity	10% to 85 % RH (no condensation)
	Output Video	HDMI 1.3b + HDCP 1.0/1.1	Storage Temperature	-10jæ to +80jæ
	VGA	640x480,800x600,1024x768,1920x1200	Storage Humidity	5% to 90 % RH (no condensation)
	DTV/HDTV	480i/576i/480p/576p/720p/1080i/1080P	External Power Supply	5V DC@2A
	Video Amplifier Bandwidth	2.5Gpbs/250MHz	HDMI Compliance	HDMI 1.3b
	Frequency	Up to 250MHz	Unit	UL, CE, FCC
	Vertical Frequency Range	60Hz	Power Supply	UL, CE, FCC
	Interlaced(50&60Hz)	480ii,576i,1080i	AC Power Adapter	US standard, UK standard
	Progressive(50&60Hz)	480p,576p,720p,1080p		
HDMI 1x4 Splitter				
	Input Video Signal	0.5 -1.0 volts p-p	Weight(Net)	285g
	Input DDC Signal	5 volts p-p (TTL)	Limited Warranty	1 Year Parts and Labor
	Maximum Single Link Range	1920X1200, 1080P	Operating Temperature	0jæ to +70jæ
	Output Video	HDMI 1.3b+ HDCP1.0/1.1/1.2	Operating Humidity	10% to 85 % RH (no condensation)
	VGA	640x480,800x600,1024x768,1920x1200	Storage Temperature	-10jæ to +80jæ
	DTV/HDTV	480i/576i/480p/576p/720p/1080i/1080P	Storage Humidity	5% to 90 % RH (no condensation)
	HDMI Compliance	HDMI 1.3b	External Power Supply	5V DC@ 2.5A
	Frequency	Up to 225MHz	Converter Unit	FCC,CE,UL
	Interlaced(50&60Hz)	480i,576i,1080i	Power Supply	UL,CE,FCC
	Progressive(50&60Hz)	480p,576p,720p,1080p	AC Power Adapter	US standard, UK standard
	Size(L-W-H)	155 x 70 x 25mm		

## HDMI 4x2 Matrix Switch



HDMI Connector	type A 19 pin female	Operating Temperature	0 jæ to +70jæ
Input DDC Signal	5 volts p-p (TTL)	Operating Humidity	10% to 85 % RH (no condensation)
Maximum Single Link Range	1080p	Storage Temperature	-10jæ to +80jæ
Video Amplifier Bandwidth	2.25Gbps/225MHz	Storage Humidity	5% to 90 % RH (no condensation)
Frequency	Up to225MHz	External Power Supply	5V DC@2A
Interlaced(50&60Hz)	480i,576i,1080i	Power Consumption	10 watts (max)
Progressive(50&60Hz)	480p,576p,720p,1080p	Converter Unit	FCC,CE,UL
Size(H-W-D)	110mmW x 25mmH x 260mmD	Power Supply	UL,CE,FCC
Weight(Net)	0.854KGs	AC Power Adapter	US standard, UK standard and so on
Limited Warranty	1 Year Parts and Labor		

## HDMI 4x4 Matrix Switch



HDMI Connector	type A 19 pin female	Operating Temperature	0 jæ to +70jæ
Input DDC Signal	5 volts p-p (TTL)	Operating Humidity	10% to 85 % RH (no condensation)
Remote Control Port	RS-232 Female, Mini-Stereo	Storage Temperature	-10jæ to +80jæ
Video Amplifier Bandwidth	2.25Gbps/225MHz	Storage Humidity	5% to 90 % RH (no condensation)
Frequency	Up to 225MHz	External Power Supply	5V DC@3A
Interlaced(50&60Hz)	480i,576i,1080i	Power Consumption	10 watts (max)
Progressive(50&60Hz)	480p,576p,720p,1080p	Converter Unit	FCC,CE,UL
Limited Warranty	1 Year Parts and Labor	Power Supply	UL,CE,FCC
User Manual	English version	AC Power Adapter	US standard, UK standard and so on