GONSIN®

Video Matrix System

HDMI Matrix
GX-HDMI0404S2

◆ Basic Functions

◆ Support one or more HDMI signals output to one or more display devices

◆ Support 1 channel HDCP decoding

◆ Support EDID reading and writing, switching, built-in 2K or 4K resolution EDID

◆ Support resolution 3840*2160@30Hz,1080P@24/50/60/120Hz,1080i,720P,576P,576i,,480P,480i

◆ Support 10 sets of scene recall and save

◆ Support fast switching, the speed up to 200 ns

◆ Support button control and RS232 control, optional function of infrared control or network control

◆ Support remote control through PC client software or central control system

◆ Support AC100-240V wide voltage, suitable for power input in all regions of the world

◆ With LED light and display screen, easy to see the information of power on/off or signal switching

◆ Using 1U metal shell, support rack installation

◆ It can be widely used in video conference rooms, educational institutions, control rooms, monitoring centers, government agencies and demonstration halls, etc.

◆ Technical Specifications

Model	GX-HDMI0404S2
Input	4 HDMI, HDMI-A female interface
Output	4 HDMI, HDMI-A female interface
Power-down save	Support
Scene function	Support 10 sets of scene recall and save
HDCP function	The 1st channel supports HDCP decoding
EDID management	Support EDID reading and writing, switching, built-in 2K or 4K resolution EDID
3D	Support
Signal gain	0dB
Resolution range	3840*2160@30Hz,1080P@24/50/60/120Hz,1080i,720P,576P,576i,480P,480i
Switching speed	200ns (Max.)
Maximum input and output distance	1080P: Use standard 24AWG wire, input support 15 meters, output support 15 meters 4K: Use standard 24AWG wire, input support 7 meters, output support 7 meters
Control method	Support button control, RS232 control, infrared control or network control is optional
Power supply	100VAC ~ 240VAC, 50/60Hz
Power consumption	<10W
Product Size	483*255*44mm (W*D*H)
Product weight	7.4Kg
Working temperature	-20℃~ +70℃
Working humidity	10% ~ 90%

◗ HDMI Matrix
GX-HDMI0808S2

◗ Basic Functions

- ◆ Support one or more HDMI signals output to one or more display devices
- ◆ Support 1 channel HDCP decoding
- ◆ Support 1 channel audio de-embedding and output with 3.5 audio interface
- ◆ Support EDID reading and writing, switching, built-in 2K or 4K resolution EDID
- ◆ Support resolution 3840*2160@30Hz,1080P@24/50/60/120Hz,1080i,720P,576P,576i,,480P,480i
- ◆ Support 10 sets of scene recall and save
- ◆ Support fast switching, the speed up to 200ns
- ◆ Support button control and RS232 control, optional function of infrared control or network control
- ◆ Support remote control through PC client software or central control system
- ◆ Support AC100-240V wide voltage, suitable for power input in all regions of the world
- ◆ With LED light and display screen, easy to see the information of power on/off or signal switching
- ◆ Using 1U metal shell, support rack installation
- ◆ It can be widely used in video conference rooms, educational institutions, control rooms, monitoring centers, government agencies and demonstration halls, etc.

◗ Technical Specifications

Model	GX-HDMI0808S2
Input	8 HDMI, HDMI-A female interface
Output	8 HDMI, HDMI-A female interface,1 channel 3.5 audio output
Power-down save	Support
Scene function	Support 10 sets of scene recall and save
HDCP decoding	The 1st channel supports HDCP decoding
Audio de-embedding output	1 channel audio de-embedding and output with 3.5 audio interface
EDID management	Support EDID reading and writing, switching, built-in 2K or 4K resolution EDID
3D	Support
Signal gain	0dB
Resolution range	3840*2160@30Hz,1080P@24/50/60/120Hz,1080i,720P,576P,576i,,480P,480i
Switching speed	200ns (Max.)
Maximum input and output distance	1080P: Use standard 24AWG wire, input support 15 meters, output support 15 meters 4K: Use standard 24AWG wire, input support 7 meters, output support 7 meters
Control method	Support button control, RS232 control, infrared control or network control is optional
Power supply	100VAC ~ 240VAC, 50/60Hz
Power consumption	<15W
Product Size	483*255*44mm (W*D*H)
Product weight	7.4Kg
Working temperature	-20℃~ +70℃
Working humidity	10% ~ 90%

◆ HDMI Matrix
GX-HDMI01604S/GX-HDMI1608S/ GX-HDMI1616S

GX-HDMI1604S

GX-HDMI1608S

GX-HDMI01616S

◆ Basic Functions

Bandwidth is up to 10.2Gbit/s(340MHz), Internal HDCP management, support DVI1.0, HDMI 1.3 , Internal EDID and DDC management, Resolution is up to 1080p,1920*1200@60Hz,completely support HDTV and DVI signal; Support HD and various of color(support XV color); Support DOLBY digital HD audio, DTS-HD audio signal; RS232 serial control interface, a series of code can control third-party equipment; IR control, the user can realize full-control through IR control, IR remote controller is optional; rack mount aluminum alloy shell; Power:100-240V AC,50/60Hz, backup power supported, one power for daily use, one power for emergency; 9 kinds of presets, offer store and cancel function; Quick switch function, speed is up to 200ns; LED display system and switch information simultaneously

◆ Technical Specifications

Models	GX-HDMI01604S	GX-HDMI1608S	GX-HDMI1616S
Input	16*HDMI Type A	16*HDMI Type A	16*HDMI Type A
Output	4*HDMI Type A	8*HDMI Type A	16*HDMI Type A
Input and output port	HDMI 1.3		
Input and output port level	T .M.D.S. 2.9V/3.3V		
Input resistance	75Ω		
Video Common Parameter			
Signal gain	0db		
Video signal	HDMI (or DVI-D)		
Resolution	1920*1200 / 1080P@60Hz		
Bandwidth	340 MHz (10.2 Gbit/s)		
Switch speed	200ns (Max.)		
Max pixel clock	165MHz		
Max input and output transmission distance	15m (AWG24 HDMI standard cable)		
Control Parameter			
Serial port control	RS-232, 9-pin female D connector		
Port pin definition	2th pin for sending, 3th pin for receiving, 5th pin for ground		
Other control methods	Front panel keys,LED indicated function		
Normal parameter			
Power	100VAC ~ 240VAC, 50/60Hz		
Power Consumption	20W		
Size (W*D*H)	483x 320x 176mm		
Weight	11.8Kg		
Working temperature	-20℃~ +70℃		
Working humidity	10% ~ 90%		

◆ HDMI Splitter
GX-HDMI0104S/ GX-HDMI0108S/ GX-HDMI0116S

GX-HDMI0104S

GX-HDMI0108S

GX-HDMI0116S

◆ Basic Functions

- ◆ 1 channel HDMI signal input distributed to a 2/4/8/16 HDMI signal output
- ◆ Support HDMI 1.4 version
- ◆ Support 3D Video format
- ◆ Support 24/30/36 Bit Color
- ◆ Max resolution is 4K@30Hz
- ◆ Support HDCP
- ◆ The input and output transmission distance is up to 15 meters(using the AWG24 HDMI standard cable)

◆ Technical Specifications

Model	GX-HDMI0104S	GX-HDMI0108S	GX-HDMI0116S
HDMI input port		1	
HDMI output port	4	8	16
HDMI version		HDMI1.4	
HDMI resolutions		4K@30fs，1080p/1080i/720p/576p/576i/480p/480i@24/50/60fs	
Video bit color		24/30/36 bits	
Audio formats		LPCM7.1/DTS-HD/Dolby-trueHD/DTS/Dolby-AC3/DSD	
Max transmission rate		10.2Gbps	
TMDS clock		340MHz	
Input and output TMDS signals		0.5~1.5Vp-p(TTL)	
Input and output DDC signals		5Vp-p(TTL)	
Electrostatic protection		8KV	
Input and output cable length		≤15m AWG24 HDMI standard cable	
Adapter		AC100V-240V （50Hz/60Hz），output: DC5V/3A	
Working temperature		0~40℃	
Working humidity		5~85%(non-condensing)	

◉ HDMI Switch
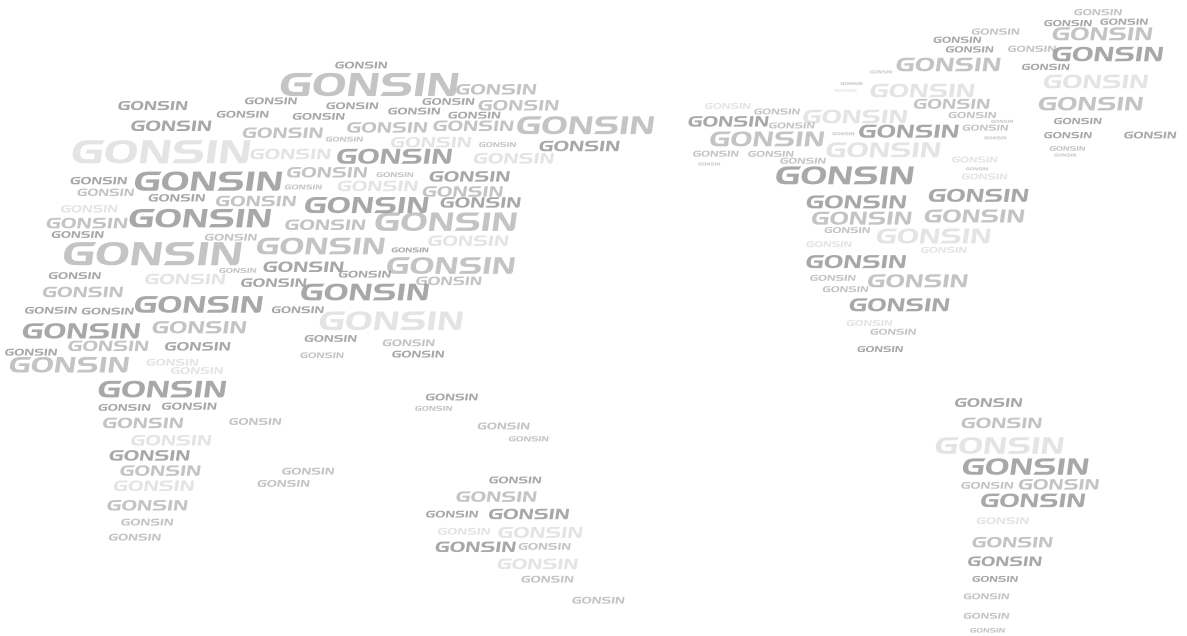## GX-HDMI0801S

GX-HDMI0801S

◈ Basic Functions

- ◆ 8 ways of HDMI input switched to 1 way HDMI signal output
- ◆ Support HDMI 1.4 version
- ◆ Support 3D Video format
- ◆ Support 24/30/36 Bit Color
- ◆ Max resolution is 4K@30Hz
- ◆ Any HDMI signal source can be separated to the optical fiber, coaxial and analog audio output
- ◆ The input and output transmission distance is up to 15 meters(using the AWG24 HDMI standard cable)
- ◆ Support button switch, remote control switch and Rs232

◈ Technical Specifications

Video port	HDMI input * 8, HDMI output *1+1
Audio port	3.5mm Audio out *1，Coaxial*1，Toslink *1
Control port	RS-232
HDMI version	HDMI1.4
HDMI resolutions	4K@30fs，1080p/1080i/720p/576p/576i/480p/480i@24/50/60fs
Video bit color	24/30/36 bits
Audio formats	LPCM7.1/DTS-HD/Dolby-trueHD/DTS/Dolby-AC3/DSD
Max transmission rate	10.2Gbps
TMDS clock	340MHz
Input and output TMDS signals	0.5~1.5Vp-p(TTL)
Input and output DDC signals	5Vp-p(TTL)
Electrostatic protection	8KV
Input cable length	≤10m AWG24 HDMI standard cable
Output cable length	≤10m AWG24 HDMI standard cable
Adapter	AC100V-240V （50Hz/60Hz），output:DC5V/3A
Weight	1.2kg
Size	400×118×45mm
Working temperature	0 ~40℃
Working humidity	5 ~85%(no-condensing)