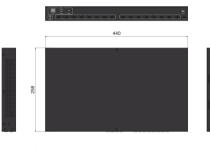
User Manual

Overview

ThisHDTVMX88HA21is a 8 in 8 out HDMI Matrixwith Ultra HDupto 8k60Hz 4:2:0 8 bit, 8k30Hz 4:4:4 8 bit, HDR and HDCP2.2. It reliably distributes eight HDMI source signal to eight HDMI displays. The HDTVMX88HA21canbe controlled by front panel buttons, IR, RS232, and IP/web UI. Also we provide API commands for your control system.

It is ideal for applications such as Home theatre, offices, school, conference rooms, shopping malls, hotels and museums, which require manage multiple sources and distribute an HDMI source signal to multiple displays.

Product photo





INTRODUCTION

FEATURES

- Distributes eight HDMI sources signal to eight HDMI displays. It supports 8K/4K and 1080P output simultaneously.
- HDMI2.1 with 8K@60Hz 4:2:0,8K@30Hz 4:4:4 and HDCP 2.2 compliant
- Support HDR 10 and Dolby vision.
 - Support remote control, button, RS232, IP control
- Support 3D, Support deep color 30bit, 36bit
- Support Blue-Ray 24/50/60fs/HD-DVD/xvYCC.
 - Digital audio format, pass through as DTS-HD/Dolby-trueHD/ LPCM7.1/DTS/Dolby-AC3/DSD. Dolby Atoms, and all other HDMI standard formats
 - Support signal retiming, No loss of quality
 - No driver required, Plug and play, Installs in minutes

SPECIFICATIONS:

1)	HDMI version	HDMI 2.1
2)	HDCP version	HDCP2.3
3)	HDMI resolution8K@60Hz 4:2:0/8K@30Hz 4:	4:4/4K60Hz/1080p
	Support video format24bit/30bit,36	
5)	Support audio formatDTS-HD/Dolby-true	HD/Dolby Atoms
6) I	Input/Output TMDS signal0.5 [^]	'1.5Volts p-p(TTL)
7) I	Input/Output DDC signal	5Volts p-p (TTL)
8) N	Max working current	3.5A
9)P	Power adapter formatInput: AC (50HZ	
	, 60HZ) 100V-240V; Output: 12V/5A	
14)) Operating Temperature range	(-15 to +55℃)
15)) Operating Humidity range5 to 90%RH	I(No Condensation)
16)) Dimension (L x W x H)44	0*256*45(mm)
17)) Weight	3Kg

Operating and Connecting:

1.Connect one cable from HDMI source devices to HDMI input.

2.Connect one cable from each display (monitor or projector) to the HDMI outputs.



Setting

RS232 control

Advanced user may need to control the matrix via RS232, connect a PC or control system. Professional RS232 serial interface software (e.g. UART Assist) may be needed as well. Before executing API commands through RS232, ensure the RS232 port of the matrix and control PC are set correctly.

PortNum	COM4	Ŧ
BaudR	57600	¥
DPaity	NONE	¥
DataB	8	¥
StopB	1	¥

See below are main commands for control

Note: All commands need typing 'enter' at the end.

Command	Function
EZH	System help, it will show all commands
EZSTA	Show System Status
EZS RST	Reset to Factory Defaults
EZS CAS EN	Set Cascade Mode Enable (Turn OFF HDCP)
EZS CAS DIS	Set Cascade Mode Disable (Turn ON HDCP)
EZS OUTx VS INy	Set Output x To Input y {x=[0~4](0=ALL), y=[1~4]}

EZS OUTx VIDEOy	Set Output VIDEO Mode {x=[0~8](0=ALL),y=[1,2](1=Bypass Mode,2=4K->2K)}
EZS OUTx EXA EN	Set Ex-Audio Output Enable {x=[0~4](0=ALL)}
EZS OUTx EXA DIS	Set Ex-Audio Output Disable {x=[0~4](0=ALL)}
EZS OUTx STREAM ON	Set Output x Stream ON {x=[0~4](0=ALL)}
EZS OUTx STREAM OFF	Set Output x Stream OFF{x=[0~4](0=ALL)}
EZS INx EDID y	Set Input x EDID{x=[0~4](0=ALL), y=[0~32]}
EZS HIP xxx.xxx.xxx.xxx	Set Host IP Address to xxx.xxx.xxx.xxx
EZG HIP	Get Host IP Address

More details for EDID list and IP setting, please send "EZH" to get help list.

IP control

Connect the RS232 to PC, using the RS232 interface to send command" EZG HIP", you will get the IP address of the matrix.

Make sure your PC and the matrix on the same network.

Typing in the IP address in a browser

Note: please begin with http://

e.g: You get a IP address 192.168.101.20

please typing in http:// 192.168.101.20

And you will see four sections



Sense Switch, select inputs for each output.

Scaler setting

	Video Belling					
	Vidro	icaler Mede		Output Sta	7281	
	ouri		oun	01		
	0073	 8K/4K-20 	0012	0N	00	
	0013	 85/48-29 	0070	09	00	
	OUT4	88/48-29	0074	04	00	
	OUTS	► 1X/48-20	0015	09	00	
	OUT6	S 85,45-21	0176	09	017	
	0017	88,44-2	0117	08	017	
	OUTS	80,44.2	3 OUTS	ON .	- 017	
_						

EDID Manage, select EDID for each input, there are more than 40 kinds of EDID options.

	EDID Manage	System Setting	
IN1 (K 201 · · · · ·	404 IN1	46.601 ····································	
INJ IK 601 ~	Apply IN4	46.001 × 4001	
INF [1009-204 ~]	A009 IN6	NKP 20H V	
INT 1000P.2CH V	A04	1000P.2CH v A009	

System setting, set IP address and alias name.

				PertAk	n Setting	
	IP Set	kag	oun	0/71		M
	MAC Address		OUT2	0/12	IN2	112
	Host IP Address	192,100,1,239	OUT3	0/12	INO	NO
	Subart Mask	255,255,256.0	OUT4	CIUT4	1 184	INI
	Roster IP Address	192.508.1.1	OUTS	OVTS	INS	145
	TCP Part	21	OUT6	OUTO	IN6	156
			OUT?		IN7	162
			OUTS		INI	IN8
	CHOP State IP	Apply		Auchy		

Packing List:

- 1. HDMI Matrix x1
- 2. Power supply x1
- 3. Mount ear x2
- 4. product manual x1
- 5. IR remote X1