

CDPS-U10H2HFS 10 By 2 HDMI Matrix Fast Switch







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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
RDV1	05/11/14	Preliminary Release
RDV2	09/12/14	Add Power Supply
RDV3	17/12/14	Add IR Frequency

REVISION HISTORY



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1. INTRODUCTION

This 10 by 2 HDMI UHD Matrix is an advanced solution for switching up to 10 HDMI inputs to two HDMI outputs. It provides high performance pass-through of video/audio and is capable of receiving and transmitting 340MHz/10.2Gbps bandwidth rate with no data loss. It's Fast Switching technology can greatly reduce the time required to swap between inputs. Supporting the latest features you can be assured of reliable and high quality HDMI distribution.

2. APPLICATIONS

- Showroom display & control
- Educational demo
- Installation usage
- Advertising display

3. PACKAGE CONTENTS

- 10 By 2 HDMI Matrix Fast Switch
- 1 x IR Extender
- 1 x Remote Control
- 1 x 5V/2.6A Power Adaptor
- Operational Manual

4. SYSTEM REQUIREMENTS

Input source equipment such as DVD/Blu-ray player and output HD display/Monitor with HDMI cables.



5. FEATURES

- Supports UHD resolutions up to 4K2K@24/25/30Hz & 4K2K YUV420@60Hz
- Supports HDTV resolutions up to 1080@60Hz, 'Deep Color' 36/30/24bit and PC resolutions up to WUXGA@60Hz(RB)
- Supports 3D
- Supports pass-through of audio formats: LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS 2~5.1CH, Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio
- Supports EDID selection function
- Supports control via IR, RS-232, Telnet and Web GUI controls
- Input port HDCP support Standard and Apple mode. The Apple mode selection to guarantees the use of Apple devices.
- Compliant with DVI source

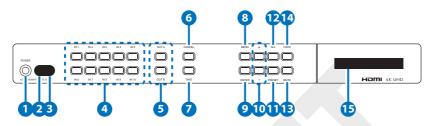
Note: Supporting HDMI to DVI conversion that HDMI sources is nondeep color and color space RGB.

Not supporting HDMI to DVI conversion when that HDMI source is deep color and color space YCbCr 444/422



6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel



POWER Button

Press this button to switch On or set the device to standby mode.

2 POWER LED

This LED will illuminate in green when the device is power On and if it is switched to standby mode the LED will turn red.

3 IR Window

This IR Receiver receives the remote control signal from the package included remote control only.

4 IN 1~10

Press these IN buttons to select an input from the 10 input sources.

5 OUT A/B

Press these buttons once a time along with an IN buttons to select an input source for an output display. i.e. $OUTA \rightarrow IN1 \rightarrow TAKE$ or $OUTB \rightarrow IN10 \rightarrow TAKE$.

6 CANCLE

Press this button to cancel the IN/OUT selection and during any selection under MENU.

7 TAKE

Press this button to confirm the selection of an IN and an OUT button. If this button is not pressed the IN & OUT selection will not be executed.

8 MENU

Press to enter into the menu selection.



9 ENTER

Press to confirm the selection.

1 +/-

Press these buttons to move up/down under menu selection.

PRESET

Press this button to recall the preset setting from 1~10. Press and select from IN1~10 then press TAKE to confirm the recall selection or press CANCEL to exit the selection. To reset the Preset setting, enter into menu and select Preset setting from IN1~10 then press OUTA and select an input from IN1~10 then press OUTB and select an input from IN1~10 again and press ENTER to confirm the selection. eg. To preset 2's figure, MENU \rightarrow ENTER \rightarrow Matrix Preset \rightarrow Enter \rightarrow Preset2 \rightarrow IN2 \rightarrow OUTA \rightarrow IN8 \rightarrow OUTB \rightarrow IN7 \rightarrow ENTER

12 ALL

Press this button to select all outputs to display with an input source. e.g. To select all output with input source 3. ALL \rightarrow IN3

13 MUTE

Press this button to mute video and audio on OUT A or B or on all output. e.g. To mute output A OUTA \rightarrow MUTE

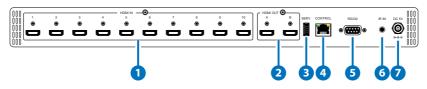
🚺 LOCK

Press this button to lock all button functions on the panel to unlock, press the button and hold for 3 seconds.

I LCM

Displaying Input and Outputs selection and menu selection.





1 HDMI IN

Connect from source equipment such as Blu-ray/DVD/PS3 players, Set-Top-Box or any HDMI equipped source device for input signal sending.

2 HDMI OUT

Connect to HDMI TV/display or HD Amplifier for output image and or audio display.

3 SERV.

This slot is reserved for firmware update use only.

4 CONTROL

Connect from PC/Laptop with active internet service for Telnet or Web GUI control with RJ-45 terminated cable.

5 RS-232

Connect from PC/Laptop for RS-232 command sending to control the device.

6 IR IN

Connect the IR Receiver included in the package for IR signal receive from the included remote control.

7 DC 5V

Connect the adaptor included in the package and connect to AC wall outlet for power supply.



6.3 Remote Control

1 POWER

Press this button to switch On or set the device to standby mode.

2 MUTE

Press this button to mute video and audio on OUT A or B or on all output. e.g. To mute output A OUTA \rightarrow MUTE

3 OUT A/B

Press these buttons once a time along with an IN buttons to select an input source for an output display. i.e. $OUTA \rightarrow IN1 \rightarrow TAKE$ or $OUTB \rightarrow IN10 \rightarrow TAKE$.



Press these IN buttons to select an input from the 10 input sources.

5 +/-

Press these buttons to move up/ down under menu selection.

6 ок

Press to confirm the selection.

CANCEL

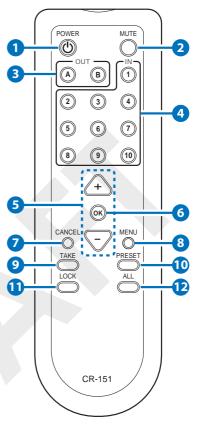
Press this button to cancel the IN/OUT selection and during any selection under MENU.

8 MENU

Press to enter into the menu selection.

9 TAKE

Press this button to confirm the selection of an IN and an OUT button. If this button is not pressed the IN & OUT selection will not be executed.





10 PRESET

Press this button to recall the preset setting from 1~10. Press and select from IN1~10 then press TAKE to confirm the recall selection or press CANCEL to exit the selection. To reset the Preset setting, enter into menu and select Preset setting from IN1~10 then press OUTA and select an input from IN1~10 then press OUTB and select an input from IN1~10 again and press ENTER to confirm the selection. eg. To preset 2's figure, MENU \rightarrow ENTER \rightarrow Matrix Preset \rightarrow ENTER \rightarrow Preset2 \rightarrow IN2 \rightarrow OUTA \rightarrow IN8 \rightarrow OUTB \rightarrow IN7 \rightarrow ENTER

1 LOCK

Press this button to lock all button functions on the panel to unlock, press the button and hold for 3 seconds.

12 ALL

Press this button to select all outputs to display with an input source. e.g. To select all output with input source 3. ALL \rightarrow IN3



6.4 OSD Menu

Main Menu	Sub Menu	Description	Default
EDID Mode	All	All Input port is using same EDID.	All
		In menu "EDID All", can select suitable EDID.	
	Appoint	Each Input port can select individual EDID.	
		In menu "EDID IN1~10"	
		select suitable EDID.	
	Exit		
EDID All	Sink A	Copy Output A display EDID	8/2D/ PCM/1080p
	Sink B	Copy Output B display EDID	
	8/2D/ PCM/720p	Standard EDID, Content: deep color/2D3D/audio/ native resolution	
	8/2D/PCM/ AC3/720p	Standard EDID, Content: deep color/2D3D/audio/ native resolution	
	8/2D/ PCM/1080p	Standard EDID, Content: deep color/2D3D/audio/ native resolution	
	8/2D/PCM/ AC3/1080p	Standard EDID, Content: deep color/2D3D/audio/ native resolution	



Main Menu	Sub Menu	Description	Default
	8/2D/ PCM/4K2K	Standard EDID, Content: deep color/2D3D/audio/ native resolution	
	8/2D/PCM/ AC3/4K2K	Standard EDID, Content: deep color/2D3D/audio/ native resolution	
	8/2D/PCM/ Y420	Standard EDID, Content: deep color/2D3D/audio/ native resolution	
	8/2D/PCM/ AC3/Y420	Standard EDID, Content: deep color/2D3D/audio/ native resolution	
	Exit		
EDID IN1	Same EDID All	Select Input 1's EDID	Same EDID All
EDID IN2	Same EDID All	Select Input 2's EDID	Same EDID All
EDID IN3	Same EDID All	Select Input 3's EDID	Same EDID All
EDID IN4	Same EDID All	Select Input 4's EDID	Same EDID All
EDID IN5	Same EDID All	Select Input 5's EDID	Same EDID All
EDID IN6	Same EDID All	Select Input 6's EDID	Same EDID All
EDID IN7	Same EDID All	Select Input 7's EDID	Same EDID All
EDID IN8	Same EDID All	Select Input 8's EDID	Same EDID All



Main Menu	Sub Menu	Description	Default
EDID IN9	Same EDID All	Select Input 9's EDID	Same EDID All
EDID IN10	Same EDID All	Select Input 10's EDID	Same EDID All
Matrix Preset	Preset 1	IN/OUT default No.1	A=1 , B=1
	Preset 2	No.2	A=1 , B=1
	Preset 3	No.3	A=1 , B=1
	Preset 4	No.4	A=1 , B=1
	Preset 5	No.5	A=1 , B=1
	Preset 6	N0.6	A=1 , B=1
	Preset 7	N0.7	A=1 , B=1
	Preset 8	N0.8	A=1 , B=1
	Preset 9	N0.9	A=1 , B=1
	Preset 10	N0.10	A=1 , B=1
	Exit		

To reset the Preset setting, select a Preset from $1 \sim 10$ then press OUTA and select an input from $1 \sim 10$ then press OUTB and select an input from $1 \sim 10$ again and press ENTER to confirm the selection.

HDCP Input	IN1 Standard/ Apple	Set IN1 in Apple/ Standard mode	Standard
	IN2 Standard /Apple	Set IN2 in Apple/ Standard mode	Standard
	IN3 Standard /Apple	Set IN3 in Apple/ Standard mode	Standard
	IN4 Standard /Apple	Set IN4 in Apple/ Standard mode	Standard
	IN5 Standard /Apple	Set IN5 in Apple/ Standard mode	Standard



Main Menu	Sub Menu	Description	Default
	IN6 Standard /Apple	Set IN6 in Apple/ Standard mode	Standard
	IN7 Standard /Apple	Set IN7 in Apple/ Standard mode	Standard
	IN8 Standard /Apple	Set IN8 in Apple/ Standard mode	Standard
	IN9 Standard /Apple	Set IN9 in Apple/ Standard mode	Standard
	IN10 Standard /Apple	Set IN10 in Apple/ Standard mode	Standard
	Exit		
Network Setup	IP Mode	DHCP, Static	DHCP
	IP	Setup Static IP	192.168.5.83
	Mask	Setup Static Netmask	255.255.255.0
	Gate	Setup Static Gateway	192.168.5.254
	Do Re-Link	Re-Link.	
		After setup Network, the system need to re- link	
	Exit		
Network Status	Link	Network status DHCP,Static or Not Linked	
	IP	Get IP	
	Mask	Get Netmask	
	Gate	Get Gateway	
	MAC	System MAC Address	
	Exit		



Main Menu	Sub Menu	Description	Default
Source Detection (Detect Source's 5V-pin only)	IN1 On/Off , IN2 On/Off	IN1 , IN2 detect source with/without the signal	
	IN3 On/Off , IN4 On/Off	IN3 , IN4 detect source with/without the signal	
	IN5 On/Off , IN6 On/Off	IN5 , IN6 detect source with/without the signal	
	IN7 On/Off , IN8 On/Off	IN7 , IN8 detect source with/without the signal	
	IN9 On/Off , IN10 On/Off	IN9 , IN10 detect source with/without the signal	
	Exit		
Sink A Info	Type, Manuf.	Detect and Analysis Output A display's EDID Content: type(HDMI/ DVI/VGA), Manufactory/Model number	
	Native	Content: native resolution	
	Video Format	Content: deep color, 2D or 3D, 4K2K	
	Audio Format	Content: PCM, BitStream, HBR	
	Exit		
Sink B Info	Same Sink A Info	Detect and Analysis Output B display's EDID	



Main Menu	Sub Menu	Description	Default
Firmware	FW Version	Display the model number and FW version	
	Update	FW Update	
	Exit		
Factory Reset	Do Reset	Do system Reset	
	Exit		
Exit			

6.5 RS-232 Protocols

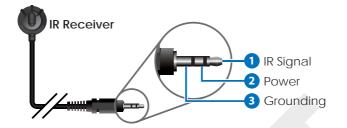
PIN	Assignment
1	NC
2	Тх
3	Rx
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

Baud Rate: 115200bps Data bit: 8 bits Parity: None Flow Control: None Stop Bit: 1

Remote Control			
PIN	Assignment		
1	NC		
2	Rx		
3	Тх		
4	NC		
5	GND		
6	NC		
7	NC		
8	NC		
9	NC		



6.6 IR Pin Definitions



6.7 Telnet & RS-232 Commands

Command Name	Description	Description of parameter
PO	Power Off (Standby)	NONE
P1	Power On	NONE
AN	Set Output A Source	N=1-10
ΒN	Set Output B Source	N=1-10
1 N	Set All Outputs Source	N=1-10
IPCONFIG	Display The Current IP Configure	NONE
SIPADDR XXX.XXX. XXX.XXX	Set Ethernet IP Address	XXX=0~255
SNETMASK XXX.XXX. XXX.XXX	Set Ethernet Net Mask	XXX=0~255
SGATEWAY XXX.XXX. XXX.XXX	Set Ethernet Gateway	XXX=0~255
HTTPPORT N	Set Http Port Number	N=0~65535
RSTIP	IP Configuration Reset To <dhcp></dhcp>	NONE
EDIDMODE	Show EDID MODE	NONE
EDIDMODE N	Set EDID Mode	N=0(Appoint), 1(All)



Command Name	Description	Description of parameter
EDIDALL	Show EDID Mode Source For All	NONE
EDIDALL N	Set EDID Mode Source For All	N=1-10
EDIDIN	Show Input EDID Source	NONE
EDIDIN N1	Show Input <i>N1</i> EDID Source	N1=1-10
EDIDIN N1 N2	Set Input N1 EDID Source	N1=1-10 N2=1-10
HDCPIN	Input HDCP Status	NONE
HDCPIN N1	Show Input N1 HDCP Status	N1=1-10
HDCPIN N1 N2	Set Input N1 HDCP On/Off	N1=1-10 N2=0(OFF), 1(ON)
PRESET	Show All Preset Configure	NONE
PRESET N1	Set Preset N1 Source to Outputs	N1=1-10
PRESET N1 N2	Set Preset N1 Configure	N1=1-10 N2=AXBX (X=01-10,0M)
SOURCEDET	Show All Input Signal	NONE
SOURCEDET N1	Show Input N1 Signal	N1=1-10
SINKINFO	Show Output Information	NONE
INNAME	Show Input Name	NONE
INNAME N1 N2	Set Input N1 Name	N1=1-10
		N2=ABCDEFGH(Max Length=8)
OUTNAME	Show Output Name	NONE



Command Name	Description	Description of parameter
OUTNAME N1 N2	Set Output N1 Name	N1=1-2
		N2=ABCDEFGH(Max Length=8)
VER	Show Unit Firmware Version	NONE
REBOOT	System Reboot	NONE
HELP (?)	Show Command List	NONE
HELP N	Show Descript Of Command	N : COMMAND NAME
FADEFAULT	All Configure Set To Factory Default	NONE
eth_fadefault	All Ethernet Configure Set To Factory Default	NONE

Note: All the RS-232 command will be not executed unless followed with a carriage return. All commands are case-sensitive.

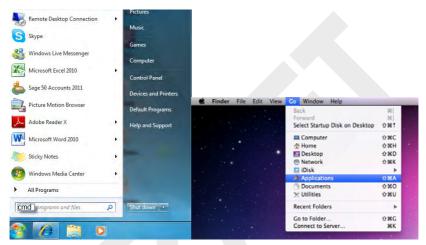


6.8 Telnet Control

To access the telnet control in Windows 7, click on 'Start' menu and type "cmd" in the Search field then press enter.

Under Windows XP go to the 'Start' menu and click on "Run", type "cmd" and press enter.

Under Mac OS X, go to Go \rightarrow Application \rightarrow Utilities \rightarrow Terminal



Once in the command line interface (CLI) type "telnet", then the IP address of the unit and hit enter.

an Administrator: C:\Windows\system32\cmd.exe	= = X
Microsoft Windows [Version 6.1.7600] Copyright (c) 2009 Microsoft Corporation. All rights reserved.	*
C:\Users\CYP>telnet 192.168.5.153 23	



Type HELP or ? to bring out all the commands.

R. Telnet 192.168.	5.131	
Welcome to TEI	NET.	f
>??		E
PØ	: POWER OFF	
P1	: POWER ON	-
IPCONFIG	: DISPLAY THE CURRENT IPCONFIG	
SIPADDR	: SET ETHERNET IP ADDRESS	
SNETMASK	: SET ETHERNET NETMASK	
SGATEWAY	: SET ETHERNET GATEWAY	
HTTPPORT	: SET HTTP PORT NUMBER	
T ELNET PORT	: SET TELNET PORT NUMBER	
RSTIP	: IP CONFIGURATION RESET TO <dhcp></dhcp>	
Â	: SET OUTPUT A SOURCE	
В	: SET OUTPUT B SOURCE	
1	: SET ALL OUTPUTS SOURCE	
EDIDMODE	: EDID MODE	
EDIDALL	: EDID MODE SOURCE FOR ALL	
EDIDIN	: INPUT EDID SOURCE	
HDCPIN	: INPUT HDCP STATUS	
PRESET	: MATRIX PRESET CONFIGURATION	
SOURCEDET		
SINKINFO	: SINK INFORMATION	
INNAME	: INPUT NAME	
OUTNAME	: OUTPUT NAME	
VER	: SHOW UNIT FIRMWARE VERSION	
REBOOT	: SYSTEM REBOOT	
?	: SHOW DESCRIPT OF COMMAND	
HELP	: SHOW DESCRIPT OF COMMAND	
	: ALL CONFIGURE SET TO FACTORY DEFAULT	
ETH_PADEFAULT	: ALL ETHERNET CONFIGURE SET TO FACTORY DEFAULT	
>_		+

Note: All the commands will be not executed unless followed by a carriage return. Commands are case-insensitive. If the IP is changed then the IP Address required for Telnet access will also change accordingly.

6.9 Web GUI Control

On a PC/Laptop that is connected to an active network system, open a web browser and type device's IP address (available inside the OSD menu) on the web address entry bar. The browser will display device's Status, IO Status, Matrix Control, Settings and Network Configuration control pages for users to control.



	7 -				CYP	RESS
s	tatus					
	Routing	status		Preset I	nto	
	Power ON	×	Preset 1	Preset 1:	Output A:(1)Output B:(1)	
	Output A From INP	UT9 🔽	Preset 2	Preset 2:	Output A:(1)Output B:(2)	
	Output 8 From INP	Lund I	Preset 3	Preset 3:	Output A:[1]Output B:[3]	
	Output All From Sele	ALL	Preset 4	Preset 4:	Output A:[1]Output B:(4)	
			Preset 5	Preset 8:	Output A:(1)Output B:(5)	
			Preset 6	Preset 6:	Output A:(9)Output B:(6)	
			Preset 7	Preset 7:	Output A:(1)Output B:(7)	
			Preset 8	Preset 8:	Output A:[1]Output B:(8)	
			Preset 9	Preset 7:	Output A:[1]Output B:(9)	
			Preset 10	Preset 10:	Output A:(1)Output B:(10)	
	Status IO Status	Matrix Control	Settings	Network Configuratio	0	

Click on Status for input and output and Preset selection.

6 http://192.168.5.131/		DPS-U10H2HPS ×			
					CYPRES
IO Statu	5				
Sou	rce Detection	Sink A In	lo	Sink B Infe	
Input 1: C Input 2: C Input 3: C Input 4: C Input 5: C	OFF Input 7: OFF Input 8: OFF Input 9: OFF	Type: Manuf. Name: Native resolution: Color Depth: 3D: 4K2K: Audio Format:		Type: Manuf. Name: Native resolution: Color Depth: 3D: 4K2K: Audio Pormat:	
	In	put Naming		Output Nam	ing
INP	UT 2 INPUT2	INPUT & INPUT6 INPUT 7 INPUT7		OUTPUT & OUTPU OUTPUT B OUTPU	
INP	UT 4 INPUT4	INPUT8 INPUT8 INPUT9 INPUT9 NPUT10 INPUT10		Save Nam	-
		Save Name			
Status	IO Status Mat	rix Control Settings	Network C	onfiguration	

Click on IO Status to view connection status and output EDID information and to rename input and output ports.



C . Atta //19	2 168 5 131/	p + d	CDPS-U10H2HP	5 Ø	1.0	11		- □ × 0
		P				(YPRE	SS vite
-	Matrix (Control						
	Manna	connor		EDID				
			EDID Mo	de <u>ML</u>	×			
			EDID	ALL 8/2D/PC	M/1080p			
				Factory F	leser			
	status	IQ Stolvs	Matrix Control	Settings	Network Configuration			
								_
	\$tatus	iù tiolus	Matrix Control	Settings	Network Configuration			

Click on Matrix Control to set the EDID mode for each and all inputs.

Attp://192.168.5.	131/	5 - Q	CDPS-U10H2	HPS ×		× * .					ń
									C	YPF	RESS
		_									
Set	tings										
	H	DCP Control				Preset C	onfigurati	ion			
	INPUT 1	HDCP Enable		PRESET 1:	OUTPUT A	Input 1	~	OUTPUT B	Input 1	~	
	INPUT 2	HDCP Enable		PRESET 2:	OUTPUT A	Input 1	~	OUTPUT B	Input 2	~	
	INPUT 3	HDCP Enable	V	PRESET 3:	OUTPUT A	Input 1	~	OUTPUT B	Input 3	~	
	INPUT 4	HDCP Enable		PRESET 4:	OUTPUT A	Input 1	~	OUTPUT B	Input 4	~	
	INPUT 5	HDCP Enable	•	PRESET 5:	OUTPUT A	Input 1	~	OUTPUT B	Input 5	~	
	INPUT 6	HDCP Enable	•	PRESET 6:	OUTPUT A	Input 9	~	OUTPUT B	Input 6	V	
	INPUT 7	HDCP Enable	¥	PRESET 7:	OUTPUT A	Input 1	~	OUTPUT B	Input 7	V	
	INPUT 8	HDCP Enable	~	PRESET 8:	OUTPUT A	Input 1	~	OUTPUT B	Input 8	~	
	INPUT 9	HDCP Enable	~	PRESET 9:	OUTPUT A	Input 1	~	OUTPUT B	Input 9	V	
	INPUT 10	HDCP Enable	•	PRESET 10:	OUTPUT A	Input 1	~	OUTPUT B	Input 10	~	
Stat	us K	O Status	Matrix Control	Settings	Net	work Confi	guration				

Click on Settings to set each input's HDCP Control and Preset Configuration.

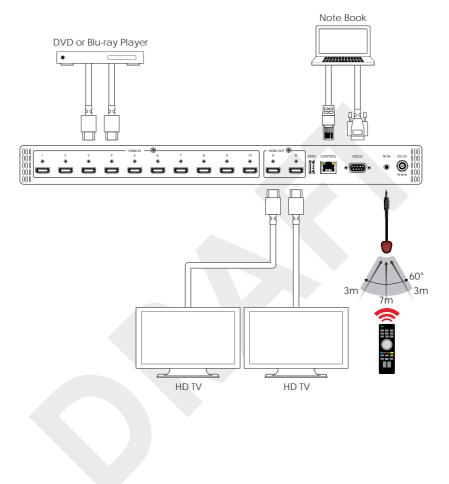


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CY	2			CYPRESS VILID
Netwo	rk Configuratio	n		
		MAC Address	F8-22-85-00-03-C9	
		Address Type	DHCP 🔽	
		IP Address	192.168.5.131	
		Net Mask	255.255.255.0	
			192.168.5.254	
		Hitp Port Teinet Port	23	
		Sav	·	
Status	10 Status Matrix C	Control Settings	Network Configuration	

Click on Network Configuration to set the device's IP configuration. Once the changes are saved the system will reset the IP address on device automatically and user will need to re-enter the IP address to continue the Web GUI function.



7. CONNECTION DIAGRAM





8. SPECIFICATIONS

Video Bandwidth	340MHz / 10.2Gbps
Input Ports	10 x HDMI, 1 x IR Extender, 1 x RJ-45 (Control), 1 x RS-232, 1 x USB (Firmware update only)
Output ports	2 x HDMI
Resolution	HD: 480i~1080p@24/50/60, 4K2K@24/25/30 & 4K2K@60 YUV_420
IR Frequency	30~50kHz
Power Supply	5V DC/2.6A (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	438mm (W) x 269mm (D) x 44mm (H)/ Jacks Excluded 482mm (W) x 276mm (D) x 52mm (H)/
	Jacks Included
Weight	2854g
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0°C~40°C / 32°F ~ 104°F
Storage temperature	-20°C~60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (no condensation)
Power Consumption	8.3w (Max)



DVI and HDMI Supported Resolutions	Input	Output
640x480@60	V	V
640x480@72	V	V
640x480@75	V	V
720x480@60	V	V
720x576p@50	V	V
800x600@60	V	V
800x600@72	V	V
800x600@75	V	V
1024x768@60	V	V
1024x768@70	V	V
1024x768@75	V	V
1280x720@50	V	V
1280x720@60	V	V
1280x720p@60	V	V
1280x768@60	V	V
1280x800@60	V	V
1280x1024@60	V	V
1360x768@60	V	V
1600x1200@60	V	V
1920x1080i@50	V	V
1920x1080i@60	V	V
1920x1080p@24	V	V
1920x1080p@25	V	V
1920x1080p@30	V	V
1920x1080p@50	V	V



DVI and HDMI Supported Resolutions	Input	Output
1920x1080p@60	V	V
1920x1200@60(RB)	V	V
3840x2160@30	V	V
4096x2160@24	V	V

9. ACRONYMS

ACRONYM	COMPLETE TERM



MPM-CDPSU10H2HFS