# HDMI/Displayport/VGA to HDMI/HDBaseT Scaler ID# 15464



**Operation Manual** 



# Introduction

The Multi-inputs with HDMI and HDBT output scaler box supports 5 inputs of HDMI, VGA and DisplayPort. The input source is capable to switch and scale to adopt resolution then transmit over HDMI and HDBaseT. The HDTV resolution is achievable. Meanwhile, it offer flexibility application of audio which includes unbalance audio, MIC In and line out. The professional 48V phantom microphone is compatible. The audio DSP engine offer auto-mixer and auto-gain control to mix or reduce background audio in order to enhance major audio source. The system could be controlled and configure by easily operation of Telnet, WebGUI, IR remote and RS-232. This scaler box is a suitable solution for presentation purpose at classroom and conference room.

#### Features

Features	
	<ul> <li>HDMI and HDCP compliant</li> <li>Supports multi inputs: 2 x HDMI, 2 x VGA and 1 x Display port, 3 x unbalance audio, 1 x MIC In (48V phantom selection)</li> <li>Scaler synchronous outputs to 1 x HDMI, and 1 x CAT5e/6/7</li> <li>Supports HDTV resolutions up to 1080p (VGA to WUXGA)</li> <li>Supports Internal EDID</li> <li>Supports pass-through of PCM 2CH</li> <li>Audio DSP offer auto mixer and auto gain control for mix or reduce background audio</li> <li>Device could be controlled via WebGUI, IR remote and RS-232</li> <li>Supports IR In and IR Out to receive or transmit IR signal from compatible receiver with bi-directional RS-232 control</li> <li>Input control provides direct input source selection</li> <li>Support output resolutions up to 1080p</li> </ul>
Applications	<ul> <li>Analog and digital source integration</li> <li>Upscaling standard definition video for high-definition displays</li> <li>Conference centers</li> <li>Lecture halls</li> <li>Schools and universities</li> </ul>
tem Requirements	

# System Require

Input source equipment such as Blu-ray/DVD players or PC/Laptop and output to displays, AV Receivers or active speakers.



# **Operating Functions and Controls**

**Front Views** 



#### 1. IR Window:

Receiving IR signal from remote control unit which come with scaler box.

# 2. "Enter" button:

Press this button to confirm the selection of On Screen Display (OSD) menu.

# 3. "Menu" button:

Press this button to access to On Screen Display (OSD) menu.

#### 4. "-" (Minus) button:

Press button to navigate down on OSD menu. Press "Menu" and "+" will direct output of XGA60(1024x768) and

"Menu" and "-" for 720p60.

# 5. "+" (Plus) button:

Press button to navigate up on OSD menu.

# 6. "Select" button:

Press this button for source selection. The active source will be indicator on LEDs at front panel.

# 7. "Lock" button:

Press this button to lock front panel and press again to unlock. **8. LEDs:** 

This LED for selected source indication. The LED for the selected source will illuminate for indicating active source accordingly.

# **Rear Views**





# 1. Service:

The service slot is for firmware update via USB driver.

2. Line out:

Connects with amplifier for audio source broadcasting.

#### 3. MIC IN:

Plug microphone in for audio source output. The phantom microphone is well supported.

# 4. Phantom on/off:

Arrange the slide switch to "on" for condenser microphone (5V) or "phantom" for professional 48V phantom microphone. When slide switch arrange to "off", the audio output will be mute.

# 5. Line In:

Select the external analog audio on OSD and insert the audio to HDMI or DP video source then output to display.

# 6. PC1/PC2:

When video source is PC, the PC audio cable shall connect in this jack for PC audio source output with video to display.

# 7. IR Out:

Connect with supplied IR blaster cable to sending IR single which comes from remote control unit to compatible Receivers.

# 8. IR IN:

Connect with supplied IR extender cable to receive the IR signal from the included IR remote. Ensure that the remote is within the direct line-of-sight of the IR extender.

# 9. RS-232:

For sending RS-232 command to compatible Receivers.

# 10. Input Control:

This input control reserving for direct source input selection. Connect ground pin (mark as C on panel) with following pin number for individual source selection.

Pin Number	Source
Pin 1	HDMI 1
Pin 2	HDMI 2
Pin 3	Display Port
Pin 4	PC1
Pin 5	PC2

# 11. Com Port:

Connect with D-Sub 9 pin cable with PC or laptop for this scaler box controlled by RS-232 commands.

# 12. Control:

This port is the link for WebGUI control; connect to an active Ethernet link with an RJ45 terminated cable.

13. Input Sources:



1. PC 1 & PC2: Connect to a PC/Laptop source for video signal input with D-Sub 15pin cable.

2. Display port: Connect to a PC / Laptop source for video signal input.

3. HDMI 1 & HDMI2: Connect to HDMI sources such as Blu-ray/DVD player for both video and audio signal.

#### 14. Output:

1. CAT5e/6/7 Out: Connects with compatible Receiver for video and / or audio output.

2. HDMI Out: Connect to an HDMI display or AV Receiver for video and/or audio output.

# 15. DC 24V:

Plug the 24V DC power supply into the unit and connect the adaptor to an AC outlet.

#### RS-232 Command List

#### **Command Format:**

- 1. <COMMAND><CR><LF>
- 2. <S><SPACE><COMMAND><CR><LF>
- 3. <R><SPACE><COMMAND><CR><LF>
- 4. <S><SPACE><COMMAND><SPACE><PARAMETER><CR><LF

### **Command Format**

Following command (from item 2) omits <SPACE><CR><LF> :

Item	Command	Description
1	? <cr><lf></lf></cr>	List all commands
2	S <space>factory- reset<cr><lf></lf></cr></space>	Return to factory default setting
3	r version	Read FW version
4	r source	Read existing input source
5	s source 0	Set up HDMI 1 input (0:HDMI 1/ 1:HDMI2 / 2:DP / 3: VGA1 / 4:VGA2)
6	r lock	Read lock status of manual selection button
7	s lock 1	Set up manual selection button lock status (0: cancel press button lock)
8	r output	Read output resolution
9	s output 0	Set up output resolution at 640x480 (1:800x600, 2:1024x768, 3:1280x768, 4:1360x768, 5:1280x720, 6:1280x800, 7:1280x1024, 8:1440x900,



		9:1400x1050, 10:1680x1050, 11:1600x1200, 12:1920x1080, 13:1920x1200, 14:720x480P, 15:1280x720P60, 16:1920x1080I60, 17:1920x1080P60, 18:720x576P, 19:1280x720P50, 20:1920x1080I50, 21:1920x1080P50, 22:Native OUT1, 23:Native OUT2)
10	r size	Read output picture size
11	S size 0	Set up over-scan for output picture (1:Full/2:Follow-Input/3:Pan- scan/4:Letter- Box/5:Under2/6:Under1)
12	r hdmi1-hdcp	Read HDCP status for HDMI 1
13	s hdmi1-hdcp 0	Active HDCP for HDMI 1 (1:disable HDCP for HDMI2)
14	r hdmi2-hdcp	Read HDCP status for HDMI 2
15	s hdmi2-hdcp 0	Active HDCP for HDMI 2 (1:disable HDCP for HDMI2)
16	r dp-hdcp	Read HDCP status for Display Port
17	s dp-hdcp 0	Active HDCP for Display Port (1:disable HDCP for DP)
18	r contrast	Read contrast status
19	s contrast 0	Set up contrast 0 (contrast could be from 0 to 60)
20	r brightness	Read brightness status
21	s brightness 0	Set up brightness 0 (brightness adjustment from 0 to 60)
22	r color-r	Read color-red status
23	s color-r 0	Set up color-red 0 (color-red adjustment from 0 to 1023)
24	r color-g	Read color-green status
25	s color-g 0	Set up color-green 0 (color-green adjustment from 0 to 1023)
26	r color-b	Read color-blue status
27	s color-b 0	Set up color-blue 0 (color-blue adjustment from 0 to 1023)
28	r hue	Read hue status



29	s hue 0	Set up hue 0 (hue adjustment from 0 to 60)	
30	r saturation	Read color-blue status	
31	s saturation 0	Set up color-blue 0 (color-blue adjustment from 0 to 1023)	
32	r sharpness	Read hue status	
33	s sharpness 0	Set up sharpness 0 (sharpness adjustment from 0 to 30)	
34	r nr	Read status of noise reduction	
35	s nr 0	Set up noise reduction at off (1:Low / 2:Middle / 3:High)	
36	s pc-auto 1	Enable auto function of PC	
37	s pc-reset 1	Return to default setting of PC	
38	r pc-h-pos	Read horizontal position of PC	
39	s pc-h-pos 0	Set up horizontal position 0 of PC ( position adjustment from 0 to 60)	
40	r pc-v-pos	Read vertical position of PC	
41	s pc-v-pos 0	Set up vertical position 0 of PC ( position adjustment from 0 to 60)	
42	r pc-phase	Read PC phase	
43	s pc-phase 0	Set up PC phase at 0 ( PC phase adjustment from 0 to 30)	
44	r pc-wxga-xga	Read PC WXGA/XGA status	
45	s pc-wxga-xga o	Set up WXGA(1:XGA)	
46	r mixer	Read mixer status	
47	s mixer 0	Set up mixer off (1:MIC)	
48	r mic-vol	Read microphone volume	
49	s mic-vol 0	Set up microphone volume 0 (Volume adjustment form 0 to 100)	
50	r delay	Read audio delay status	
51	s delay 0	Set up audio delay off (1: 40ms / 2:110ms / 3:150ms)	
52	r mute	Read audio mute status	
53	s mute 0	Set up audio un-mute (1:Mute)	
54	r out-vol	Read volume of video output	
55	s out-vol 0	Set up volume of video output at 0 ( video volume adjustment from 0 to	



		100)	
56	r hdmi 1-audio	Read HDMI 1 audio source	
57	s hdmi-1 audio 0	Set up HDMI1 audio source at automatic (1:Analog / 2:Embedded)	
58	r hdmi2-audio	Read HDMI 2 audio source	
59	s hdmi2-audio 0	Set up HDMI2 audio source at automatic (1:Analog / 2:Embedded)	
60	r dp-audio	Read Display Port audio source	
61	s dp-audio 0	Set up Display port audio source at automatic (1:Analog / 2:Embedded)	
62	r hdmi1-vol	Read HDMI 1 audio volume	
63	s hdmi1-vol 0	Set up HDMI 1 volume at 0 (volume adjustment from 0 to 100)	
64	r hdmi2-vol	Read HDMI 2 audio volume	
65	s hdmi2-vol 0	Set up HDMI 2 volume at 0 (volume adjustment from 0 to 100)	
66	r dp-vol	Read Display Port audio volume	
67	s dp-vol 0	Set up Display Port volume at 0 (volume adjustment from 0 to 100)	
68	r pc1-vol	Read VGA1 audio volume	
69	s pc1-vol 0	Set up VGA1 volume at 0 (volume adjustment from 0 to 100)	
70	r pc2-vol	Read VGA2 audio volume	
71	s pc2-vol 0	Set up VGA2 volume at 0 (volume adjustment from 0 to 100)	
72	r osd-h-pos	Read OSD horizontal position	
73	s osd-h-pos 0	Set up OSD horizontal position at 0 (position adjustment from 0 to 100)	
74	r osd-v-pos	Read OSD vertical position	
75	s osd-v-pos 0	Set up OSD vertical position at 0 (position adjustment from 0 to 100)	
76	r osd-timer	Read OSD automatic off time	
77	s osd-timer 10	Set up OSD automatic off time at 10 seconds (off time adjustment from 10 seconds to 100 seconds)	
78	r osd-trans	Read OSD transparent status	
79	s osd-trans 0	Set up OSD transparent status at 0 (transparent adjustment from 0 to	



		100)	
80	r osd-display	Read OSD display status	
81	s osd-display 0	Set up OSD display status to off (1:INFO,2:ON)	
82	r mac-addr	Read MAC address	
83	r udp	Read UDP address	
84	s udp 1	Set up UDP address at 1 (UDP address adjustment from 1 to 65535)	
85	r ip-mode	Read IP mode	
86	s ip-mode 0	Set up IP mode at Static (change parameter to 1 to DHCP mode)	
87	r ip-addr	Read IP address (by IP mode)	
88	s ip-addr 192.168.001.050	Set up IP address (000.000.000.000~255. 255.255.255). The IP address only allows to read it, it is not allow setting IP address when under IP mode at DHCP.	
89	r sub-net	Read subnet	
90	s sub-net 255.255.255.255	Set up Sub Net (000.000.000.000~255.255. 255.255)	
91	r gate-way	Read Gate-way	
92	s gate-way 192.168.000.254	Set up Gate-way (000.000.000.000~255.25 5.255.255)	
93	r auto-sync-off	Read Auto Sync off	
94	s auto-sync-off 0	Set up Auto Sync off close (1:Fast, 2:Slow)	
95	r auto-input	Read auto input status	
96	s auto-input 0	Set up Auto-Input off (1:Scan All)	
97	r pc1-comp	Read COMP IN PC1 status	
98	s pc1-comp 0	PC1 support PC signal only (1: support COMP IN)	
99	r pc2-comp	Read COMP IN PC2 status	
100	s pc2-comp 0	PC2 support PC signal only (1:	



		support COMP IN)
101	r edid-from	Read the copied EDID from output source
102	s edid-from 0	Set up the copied EDID output source as None (1:Out1, 2:out2, 3:Default)
103	r edid-to	Read the copied EDID from input source
104	s edid-to 0	Set up the copied EDID input source as None (1:HDMI1, 2:HDMI2, 3:DP)
105	r edid-copy	Read active status of copied EDID
106	s edid-copy 1	Set up to active copied EDID (0:Inactive)



#### **OSD Menu**

# **OSD** Selection Items

DISPLAY

AUDIO

FACTORY

INFORMATION

Adjustable Parameters Input and output setting menu Picture setting menu Audio setting menu Miscellaneously setting menu Factory default and setting Menu Information Menu

# Source and Resolution Setting Menu:

**OSD Selection Items** 

SOURCE HDMI 1 SIZE FOLLOW INPUT

RESOLUTION 1280x720P 60 HDCP ON INPUT

COMP IN PC

Adjustable Parameters

SOURCE: HDMI1, HDMI2, DP, PC1, PC2 SIZE: OVER SCAN, FULL, FOLLOW INPUT, PAN SCAN, LETTER BOX, UNDER 2, UNDER 1 RESOLUTION: 640x480, 800x600, 1024x768, 1280x768, 1360x768, 1280x720, 1280x800, 1280x1024, 1440x900, 1400x1050, 1680x1050, 1600x1200,1920x1080, 1920x1200, 720x480P, 1280x720P60, 1920x1080i60 1920x1080P60, 720x576P, 1280x720P50, 1920x1080i50, 1920x1080P50,NATIVE OUT1, NATIVE OUT2



# HDCP ON INPUT Menu:

OSD Selection Items	Adjustable Parameters	OSD Selection Items	Adjustable Parameters
HDMI1 ON	ON, OFF	COMP IN PC1	ON, OFF
HDMI2	ON, OFF	COMP IN PC2	ON, OFF
ON DP	ON, OFF	OFF	
ON			

# Picture Menu for HDMI1, 2, DP:

OSD Selection Items

Adjustable Parameters

CONTRAST	30	0~60
BRIGHTNESS	30	0 ~ 60
RED	512	0~1023
GREEN	512	0~1023
	512	0~1023
HUE	30	0 ~ 60
SATURATION	30	0~60
SHARPNESS	10	0 ~ 30
NOISE REDUCTION	OFF	OFF, LOW, MIDDLE, HIGH
FINETUNE		

# Menu of Picture Setting for PC1, 2:

OSD Selection Items

CONTRAST	30	
BRIGHTNESS	30	
RED	512	
GREEN	512	
	512	
HUE		
SATURATION		
SHARPNESS		
NOISE REDUCTION		
FINETUNE		

Adjustable Parameters



# Fine Tune Menu for PC1, 2:

#### **OSD Selection Items** Adjustable Parameters NO, YES AUTO ADJUST NO 30 $0 \sim 60$ $0 \sim 60$ 30 $0 \sim 30$ 16 $700\sim2300$ 1344 XGA WXGA, XGA NO NO, YES

# Audio Menu:

# **OSD** Selection Items

MIXER	OFF
MIC VOLUME	70
DELAY	OFF
MUTE	OFF
OUTPUT VOLUME	80
EMBEDDED AUDIO	
INPUT VOLUME	

# Adjustable Parameters

OFF, MIC

0 ~ 100 OFF, 40ms, 110ms, 150ms OFF, ON

 $0 \sim 100$ 

# Embedded Audio Menu: OSD Selection Items

AUTOMATIC
AUTOMATIC
AUTOMATIC

# Adjustable Parameters

Automatic, Embedded, Analog

Automatic, Embedded, Analog

Automatic, Embedded, Analog



# **Input Volume Menu:**

OSD Selection Items

#### Adjustable Parameters

HDMI1	100
HDMI2	100
DP	100
PC1	100
PC2	100

Miscellaneous Setting Menu:

0~100
0 ~ 100
0 ~ 100
0 ~ 100
$0 \sim 100$

# OSD Selection ItemsAdjustable ParametersAUTO INPUTOFFOff, Scan AllAUTO SYNC OFFOFFAuto Sync Off: Off, Fast (10 sec),<br/>Slow (120 sec)OSD<br/>ETHERNETNote: The Auto sync off will stop<br/>when scan off be active

#### OSD Setting Menu: OSD Selection Items

H POSITION	50
V POSITION	50
TIMER	100
TRANSPARENCY	50
DISPLAY	ON

Adjustable Parameters

$0 \sim 100$
0~100
$10 \sim 100$
$0 \sim 100$

INFO, ON, OFF



# Ethernet Setting Menu:

OSD Selection Items

Adjustable Parameters

IP MODE	STATIC	
Static IP Address		
IP Address: 192. 168. 1. 50		
Subnet : 255. 255. 255. 0		
Gateway : 192. 168. 1. 254		
Control Port	50000	
MAC Address.F8:22:85:00:04:FC		

Static, DHCP

0~255, 0~255, 0~255, 0~255 0~255, 0~255, 0~255, 0~255 0~255, 0~255, 0~255, 0~255 1~65535 Factory default

# **EDID SETUP:** only provide EDID setting for HDMI and Display port. OSD Selection Items Adjustable Parameters

NO

EDID FROM	NONE
EDID TO	NONE
EDID COPY	NO

None, Out1, Out2, Default None, HDMI1, HDMI2, DP No, Yes

Factory Reset and Update Menu: OSD Selection Items

Adjustable Parameters

No, Yes USB Update

JPDATE SYSTE

RESET



# WebGUI

Please enter the IP address to log in WebGUI. If IP address is unware, please go to OSD menu information for getting it.

G Google X Nutt-Input Scaler	×	
← → C 🗋 192.168.5.143		☆ =
SOURCE HOME		ti-In/Out Scaler
007PUT: 1280x720P-60 •	PICTURE CONTRAST: 30	ALCID MDXR: OFF •
COMPINIPCE OFF   COMPINIPCE OFF	BRIGHTINESS: 30	DELAY: OFF
	G: 512	
DR ON .	8: 512	EMBEDCED AUDIO HDME1/ AUTOMATIC + HDME1/ AUTOMATIC +
MICELLANY	HUE 30	DP: AUTOMATIC .
AUTO SYNC OFF. •	SATURATION: 30	HOME 1 VOLUME 100
H POSITION 50	NOISE REDUCTION OFF	HOME 2 VOLUME: 100
V POSITION: 50	ENETUNE ON PC	PP VOLUME: 100

# Telnet

To access the telnet control under MS windows, click 'Start' menu and type "cmd" in the search field then press enter. Under Mac OS X, go to Go  $\rightarrow$  Application  $\rightarrow$  Utilities  $\rightarrow$  Terminal See below for reference.









Once in the command line interface (CLI) type "telnet", then the IP address and hit enter. The IP address is available once access to OSD information menu.



Press "?" then hit enter to bring up all available commands.

ĺ	Telnet 192.168.6.146	
		-
l	Telnet connand service	
l	command '?' for help	1
I	command 'quit' for quit	
I		
l	? 	
	R VERSION,S FACTORY-RESELS SOURCE,R SOURCE,S LOCK,R LOCK,S OUTPUT,R OUTPUT,S ST	
	ZE,К б1ZE,5 ИЛИ11-ИЛСГ,К ИЛИ11-ИЛСГ,5 ИЛИ12-ИЛСГ,К ИЛИ12-ИЛСГ,6 ЛГ-ИЛСГ,К ЛГ-ИЛС В С ЛС1_СОМВ В ЛС1_СОМВ С ЛС2_СОМВ В РС2_СОМВ С СОМТВОСТ В СОМТВОСТ С ВВІСИТИБСС	
	R BRIGHTNESS S COLOR-R R COLOR-R S COLOR-G R COLOR-G S COLOR-R R COLOR-R S HIE	
	R HUE S SATURATION R SATURATION S SHARPNESS R SHARPNESS S NR.R NR.S PC-AUTO S PC	
	-H-POS, R PC-H-POS, S PC-U-POS, R PC-U-POS, S PC-PHASE, R PC-PHASE, S PC-CLOCK, R PC-CL	
	OCK,S PC-WXGA-XGA,R PC-WXGA-XGA,S PC-RESET,S MIXER,R MIXER,S MIC-UOL,R MIC-UOL,S	
	DELAY,R DELAY,S MUTE,R MUTE,S OUT-VOL,R OUT-VOL,S HDMI1-AUDIO,R HDMI1-AUDIO,S H	
	DMI2-AUDIO,R HDMI2-AUDIO,S DP-AUDIO,R DP-AUDIO,S HDMI1-VOL,R HDMI1-VOL,S HDMI2-V	
	OL,R HDMI2-VOL,S DP-VOL,R DP-VOL,S PC1-VOL,R PC1-VOL,S PC2-VOL,R PC2-VOL,S AUTO-	
	SYNC-OFF,R AUTO-SYNC-OFF,S AUTO-INPUT,R AUTO-INPUT,S TIMING-SHIFT,R TIMING-SHIFT	
	,S OSD-H-POS,R OSD-H-POS,S OSD-U-POS,R OSD-U-POS,S OSD-TIMER,R OSD-TIMER,S OSD-T	
	KHMS,K USD-INHMS,S USD-DISPLAY,K USD-DISPLAY,S IP-MUDE,K IP-MUDE,S MEI-IP,K MEI- ID & ID-ADDD D ID-ADDD & NET-CATE D NET-CATE & CATE-NAV D CATE-NAV & NET-MARV D	
	NET-MASK & SUB-NET, R SUB-NET, S UDP. R UDP. R MAC-ADDR S EDID-FROM. R EDID-FROM S ED	
	ID-TO, R EDID-TO, S EDID-COPY, R EDID-COPY	
		-

#### Firmware Update:

# 1. Please log in WebGUI. And move mouse courser to blue line

1

G Guogle X 🖲 Multi Figut Statut X	
← → C [] 192.168.5.20/	ନ ≡
	Multi-In/Out Scaler
INPUT LOCK SOURCE: HDWI1  PANEL KEY:	NO • 00000000000000000000000000000000000



2. Click mouse right key for invoking Firmware update menu



3. Follow the instruction to update Firmware. The update Firmware file is CSC103TXPL\_all.bin.

# IR Cable Pin Assignment



# **D-Sub 9 Pin Definitions**

PIN	DEFINE TX/RX
1	N/C
2	TxD/RxD
3	RxD/TxD
4	N/C
5	GND
6	N/C
7	N/C
8	N/C
9	N/C



# Cat5e/6/7 Cable Specification

Cable Type	Range	Pixel Clock Rate	Video Data Rate	Supported Video
CAT5e/6/7	60m CAT5e/6/7	<=225MHz	<=5.3 Gbps	Up to 1080p 8 bits

# **Timing Support Table**

PC, HDMI, DP
480i x 576i
480p x 576p
720p@50&60
1080i@50&60
1080p@24,25,30,50&60
640x480@60,72,75
800x600@56,60,72&75
1024x768@60,70&75
1280x1024@60
1400x1500@60
1600x1200@60
1680x1050@60
1280x800@60
1440x900@60
1366x768@60
1920x1200@60RB
1600x900@60

HDMI & HDBT Output
480p/576p
720p@50&60
1080i@50&60
1080p@50&60
640x480@60
800x600@60
1024x768@60
1280x720@60
1280x768@60
1280x800@60
1280x1024@60
1360x768@60
1400x900@60
1400x1050@60
1600x1200@60
1680x1050@60
1920x1200@60
1920x1080@60



# **HDBT Features**

HDBase T Feature	Supported
Video & Audio	Yes
IR	Yes
RS232	Yes
Send power to Transmitter	Not Available
Send power to Receiver	Yes

# **Remote Control Unit**

- 1. HDMI1: HDMI 1 source input
- 2. HDMI2 : HDMI 2 source input
- 3. **DP:** Display Port source input
- 4. PC1: PC1 source input
- 5. PC2: PC2 source input

6. **MENU:** Access to On Screen Display (OSD)

7. EXIT: Exit from On Screen Display (OSD)

8. **RESET:** Return to factory default setting (Ethernet setting remain the same)

9. AUTO ADJUST: Auto adjust PC picture in central

10. ▲/▼: Navigate down/up of
On Screen Display selection items
11. ◄(-)/►(+) : Adjust selection
items parameter (+) or (-) of On
Screen Display or output volume
adjustment





# Connection Diagram





# **Specifications**

**Input Ports** 

**Control Interfaces** 

Supported Resolutions Baud Rate Power Supply Chassis Material Silkscreen Color Weight Dimensions Power Consumption 2 x HDMI, 2 x VGA, 1 x Display Port 3 x unbalanced audio, 1 x MIC In 1 x IR Out, 1 x IR In, 1 x Com Port (RS232), 1 x Service, 1 x Control 5 x Input Control, Output Ports 1 x HDMI, 1 x CAT5e/6/7 Out 1 x Line Out 480i~1080p@24/50/60 9600 bps 24VDC Metal Black 1256g 219(W) x 165.3(D) x 52(H)mm Maximum 22W includes Receiver (model id # 15126, HDBaseT-Lite HDMI over CAT5e/6/7 with PoE **Receiver**)

