Specification
For OVP-H8X video controller

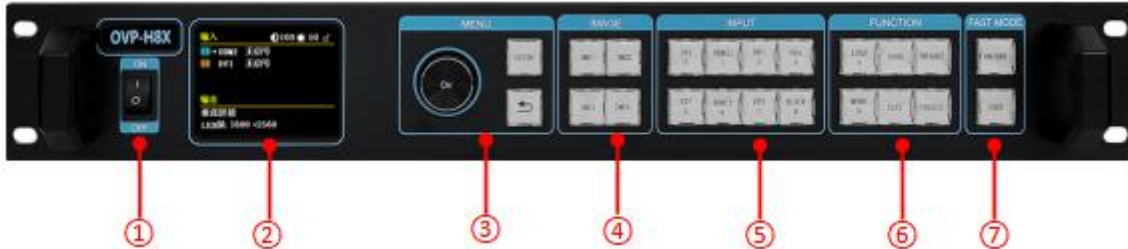**Version：V1.3   Date：2022.4.2**

Description

OVP-H8X can receive ultra-high-definition 4096x2160@60Hz image input and display four-window images at the same time. The ultra-large resolution output can reach up to 4096x2160@60Hz, 8192x1080@60Hz, 16000x654@60Hz, etc., which can meet the application requirements of super large LED display, hybrid LED display, special-shaped screen and so on. OVP-H8X also integrates 16-channel Gigabit Ethernet port output, which combines a conventional video processor and a sending card into one, which not only improves the reliability, but also brings great convenience to the remote maintenance of the LED display.

Features

- Maximum resolution is 10.48 million pixels, the horizontal maximum 16000 pixels, vertical maximum 3840 pixels;
- Cluster with 16 channels of Gigabit network output
- Fast seamless switch between all input signage and output mode
- With 7 channels HD digital and analog input interface;
- With dedicated DVI monitoring output interface, support local screen output monitoring;
- Support 5 channel digital input port DVI\HDMI\DP custom input resolution settings;
- Support hot backup of input signal source;
- Support 2 channels of 4K*2K@60Hz and 2 channels of 4K*2K@30Hz input
- With fast switching mode, the pre-monitoring screen can be seamlessly switched to the large LED screen for broadcast instantly;
- 16 user modes can be stored for users to quickly call;
- With "intelligent navigation" setting function, convenient for users to quickly set;
- The device can be controlled through LCD panel button，LAN, USB interface or WIFI or RS232 device.

Instruction

Front panel

Interface	
1	Power switch
2	2.8″ full color LCD panel 320×240)
3	Operation via LCD panel system
	MENU area MENU area Short press the [OK] button：enter into the main menu or input confirmation [GUIDE] button：fast turn to the "smart guide" mode [↰] means turn out of the current operation
4	**IMAGE area** [IMG1]- [IMG4]： select the window1-4 ,led light indicate the selected window
5	**INPUT AREA** [DVII] ~ [USB] 8 buttons，8 nos of input port button,mark:press "BLACK" then the LED indicate light is on ,then output the black screen status
6	**FUNCTION AREA** [BRIGHT]：fast switch the brightness menu [FREEZE]：image freeze [LOAD]：fast turn on the user mode [SAVE]：fast switch the user mode save menu [MODE] ：fast switch to the fix mode menu [TEXT]： keep the function button
7	**FAST-MODE AREA** [ON/OFF] fast mode to open/close fast button [TAKE] switch the current signal and the alternative signal

BACK PANEL

Video output	
LED1~LED 16	16 pcs Gigabit network output,Send via network cable to LED screen
MONITOR	Synchronous multi-windows monitor DIV output port, connect with LCD display

Video input source	
EXT	extend to DVI or SDI or screen cast，（HDMI standard match)
DVI	DVI port
HDMI1	HDMI port 1
HDMI2	HDMI port 2
DP1	DP port 1
DP2	DP port 2
VGA	VGA port

Audio input/output port	
HDMI audio	HDMI video input port built-in
DP audio	DP video input port built-in
AUDIO_IN	Analog audio input port
AUDIO_OUT	Analog audio output port

Control interface	
LAN	LAN port
COM	USB port
WIFI	WIFI control
RS232	RS232C serial port to central control device

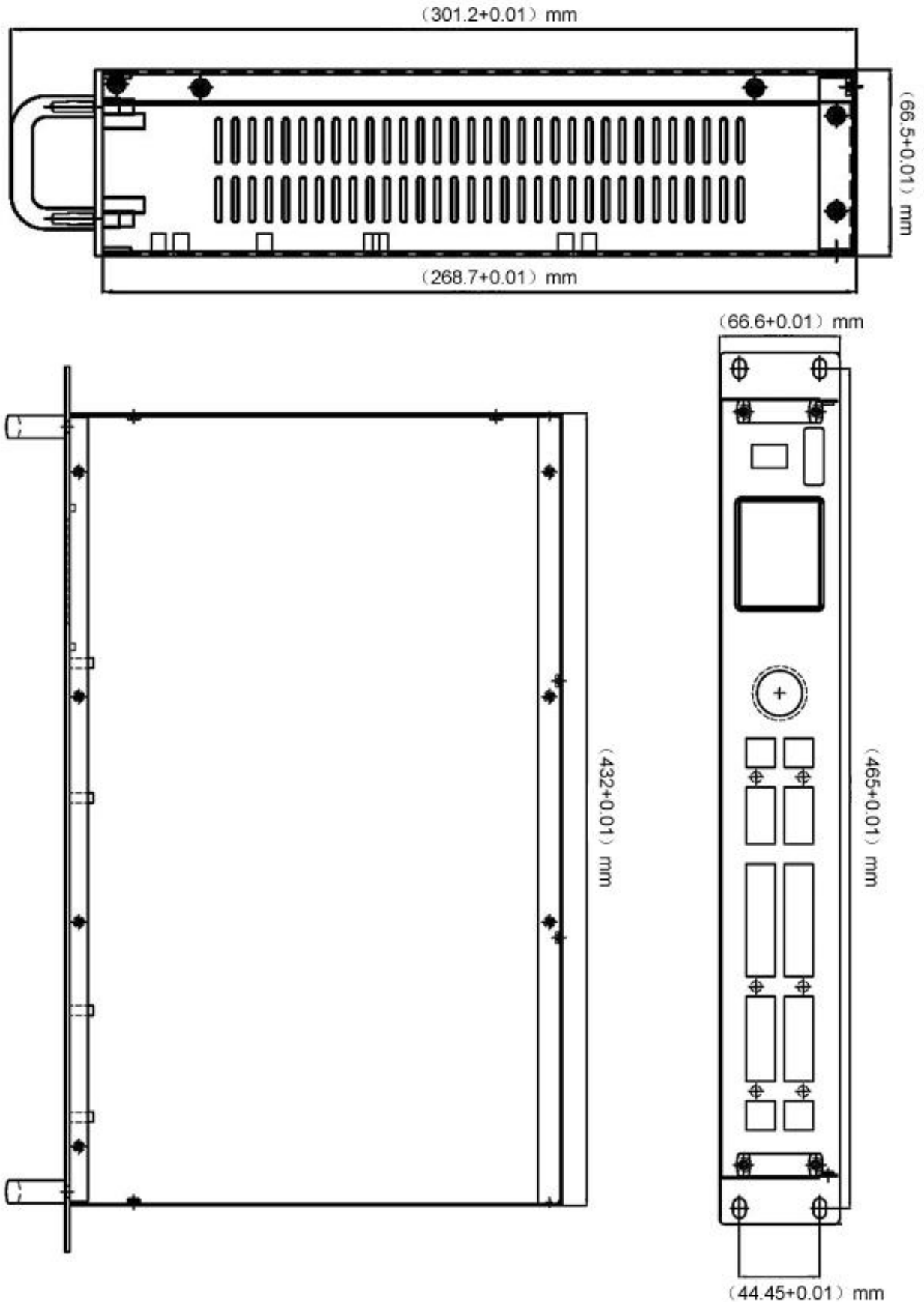| Power	
Input voltage	100-240V~50/60Hz

Technical parameters

EXT×1	Expansion input port, standard HDMI, DVI interface, SDI interface, wireless same-screen module can be flexibly selected according to customer needs
DVI×1	VESA Standard：1920×1080@60Hzto down，support 3840×2160@30Hz
HDMI×2	VESA Standard：1920×1080@60Hzto down，HDMI 1.4
VGA×1	VESA Standard：UXGA@75Hzto down
DP×2	VESA Standard：3840×2160@60Hzto down，DP1.2

Image output port	
DVI×1	1024*768@60Hz
NET×6	6 Gigabit Ethernet port output, connected to the LED display through a network cable, directly connected to the receiving card; The maximum load is 10.48 million pixels, the width is less than or equal to 16000, and the height is less than or equal to 3840;

Audio input/output port	
Audio input×1	3.5mm audio port
Audio output ×1	3.5mm audio port

Details	
voltage	100-240V~50/60Hz
power	≤50W
Working Temp	-10℃~45℃
Working humidity	15%~85%
Operate	LCD panel、button on panel、LedshowTV、OVP Builder software、 APP
Package size	482.6mm×300mm×66.6mm
Case	1.5U
Weight	≤3Kg

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Dimension

（301.2+0.01）mm

（66.5+0.01）mm

（268.7+0.01）mm

（66.6+0.01）mm

（432+0.01）mm

（465+0.01）mm

（44.45+0.01）mm

Accessory

Name	Qty
3Pin power cable 1.5M	1
WIFI antenna	1
USB-A-B cable 1.5M	1
HDMI2.0 cable 1.5M	2
HDMI-DVI connector	1
CAT-6 NET cable 1.5M	1

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