

DBS-HVT13VP-M

User manual

NOTE:

Welcome to use Dbstar led processor ,Pls read the manual carefully before you use our led controller system!

Specification

With the development of LED display, we are promote our new generation led video processor, DBS-HVT13VP-M. which has powerful functions ,use with Dbstar receiving cards and can driver more pixels large screens,

It has **4 signal ports** ,each ports can driver pixels 1280x512, 4pcs signal ports can use together max pixels can be 2048*1024 resolution, meanwhile the led processor add more functions such as SDI and DP connector ,audio outputs (support 2 path audio inputs) RS232 COM port ,the led processor support Temp and humidity and brightness adjustment as well ,use with Dbstar function cards

More details welcome to visit our website: www.dbstarled.com/www:ledall.com

1.1 picture



DBS-HVT13VP-M

1.2 Size

Power supply	110 ~ 220VAC, 50/60Hz
Power	15W
Work temperature	0~45°C
size	430mm*240mm*44.5mm
weight	2.8kg

1.3 DBS-HVT13VP-M hardware info



DBS-HVT13VP-M

The front panel including three parts: MENU ,INPUT ,CONTROL

Use with 216x64 resolution blue LCD display panel show the menu

The first time use DBS-HVT13VP-M, the LCD panel show are all factory

parameters, you can set it through button and knob easily

1.3.1 button introduction

	key	function
MENU	knob	confirm : OK button
	OK	Confirm button : knob , enter menu
	BACK	back
	Counterclockwise button	Use for select menu to parameter adjustment
	clockwise	Use for select menu to parameter adjustment
INPUT区	DVI	DVI input
	HDMI	HDMI input
	DP	DP input
	VGA	VGA input
	AV1	CVBS input 1
	AV2	CVBS input 2
	MODE	Input source path switch button will be valid under PIP mode A model : DVI,HDMI,DP,VGA,...define as main window B model: DVI,HDMI,DP,VGA,...define as sub-window
CONTROL区	PART	Window or full screen switch shortcuts
	1:1	Point to point (1: 1), filled, switch button
	AUTO	Automatic Phase Matching; Valid only for analog signals such as vga,av1
	LOCK	Lock screen unlocking screen, switch button
	PIP	PIP shortcuts
	EFFECT	Single picture: entrance stunts switch PIP Switch A channel and B channel up or down position.

1.3.2 LCD panel introduction

Power on DBS-HVT13VP-M ,the LCD panel show the default interface as the picture showing:



Window info	Display info
Main window	Default window image input port name ,current signal input resolution specification
Sub-window	Sub window image input name and current signal input resolution specification
	icon  , corresponding to button "PIP", you can switch to  : double window display, PIP model open
	icon  input window fill into output window, corresponding button "1: 1", switch to  : intercept 1:1 corresponding value from input source, display in the output window, output window no change.
	icon  image unlock, corresponding button "LOCK" , switch to  : image will be locked
	icon  output full screen display (display size can be set as resolution value) ,press"PART" , switch to  output window display
	icon  : source switch to main window, press "MODE" to switch to  source switch to sub-window value ; MODE will be valid only under the model of the PIP double images
	Icon  single window display status, press "PIP", will switch to  : double window display , PIP model open
	Display value 255: currently image brightness number. enter to receiving card brightness setting, then press the knob button to adjust brightness
Output window	Output resolution information

1.3.3 Menu info

Under the default status ,press setting knob or OK key, the menu enter the main

menu ,the lcd show as the following :

Image quality adjustment	▶
Output setup	▶
Double image	▶
Receiving card set	▶
Test	▶
Resolution config	▶
language	▶

The main menu contains 7 sub menu , rotate the knob and press ok or press knob to enter the selection item, press back may be back

Image quality adjustment	Image mode ,brightness ,contrast ,color and so on
Output configuration	Horizontal vertical and so on
Double image	Double image, input source, transparent ,top and so on
test	Test R G B
Receiving card set	Brightness ,current ,send parameters
Resolution configuration	1024*768 60HZ、 1280*768 60HZ、 1280*1024 60HZ、 1366*768 60HZ、 1920*1080 60HZ、 1920*1200 60HZ、 2048*1152 60HZ、 2560*900 60HZ、
Language	Chinese、 English

Image quality adjustment menu

Image model	"normal" 、 "bright" 、 "moive" 、 "game" 、 "sport"
brightness	0~100
contrast	0~100
color	0~100
Color temp	0~100
sharp	0~24
Strengthening	
Image strengthen	
Scene config	

Output configuration menu

StepsX2	2、4、8、16、32、64
Horizontal	The showed image min value 128, max :current output resolution width (for example 1024×768 60Hz ,max :1024)
Vertical height	The showed image min value 64, max "current resolution width" (for example 1024×768 60Hz max 768)
Horizontal position	Min value :0, max can be set as the difference value between "current output resolution width and horizontal width
Vertical position	Min value 0, max can be set as the difference value between "current output resolution width and horizontal width

Double image sub menu

Double image	Double image function "open "closed" default as closed
Input source	A (main window) or B (sub-window)
transparence	0~14
top	"0" 、 "1"
Stepx2	2、4、8、16、32、64
Horizontal	The showed image min value 128, max :current output resolution width (for example 1024×768 60Hz ,max :1024)
Vertical height	The showed image min value 64, max "current resolution width" (for example 1024×768 60Hz max 768)
Horizontal position	Min value :0, max can be set as the difference value between "current output resolution width and horizontal width
Vertical position	Min value 0, max can be set as the difference value between "current output resolution width and horizontal width

Receiving card set menu

brightness	Range 1~255, default255
Current regulator	Range 1~255, default 127
Send screen parameter	"OK" send, "BACK" exit

Test menu

Test image	"black" 、 "original " 、 "red" 、 "green" 、 "blue" 、
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Resolution configuration menu

Resolution configuration	1024*768 60HZ、 1280*768 60HZ、 1280*1024 60HZ、 1366*768 60HZ、 1920*1080 60HZ、 1920*1200 60HZ、 2048*1152 60HZ、 2560*900 60HZ、
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1.4 DBS-HVT13VP Hardware and functions



1.4.1 Com port info

Video input	
DVI	DVI input port
HDMI	HDMI input port
DP	DP input port
VGA	VGA input port
SDI/IN	SDI input port (need customize)
AV1	Composite video input port 1 button
AV2	Composite video input port 2 button

Video output port	
DVI	DVI output ports
VGA	VGA output ports
SDI/OUT	SDI output
RJ1、2、3、4	Connect to receiving cards and led display

Audio input port		Connector type
AUDIO/IN1	S、AV1、AV2、VGA audio input port	3.5mm earphone
AUDIO/IN2	YP audio input port	3.5mm earphone
Audio input and output		
AUDIO/IN1	S、AV1、AV2、VGA	
AUDIO/IN2	YP	
AUDIO/OUT	Audio output	

Control port	
USB1	Inner Dbstar sending card