灰度科技
HUIDU TECHNOLOGY

Video Processor

HDP703

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1. Introduction

HDP703 is a 7-channel digital-analog video input, 3-channel audio input video processor, it can be widely used in video switching, image splicing and image scaling market.

(1)Front Panel

Button	Function
CV1	Enable CVBS(V)input
VGA1/AUTO	Enable VGA 1 input auto revise
VGA2/AUTO	Enable VGA 2 input auto revise
HDMI	Enable HDMI input
LCD	Display the parameters
FULL	Full screen display
CUT	Seamless switch
FADE	Fade in Fade out switch
Rotary	Adjust the menu position and parameters
CV2	Enable CVBS2(2)input
DVI	Enable DVI input
SDI	Enable SDI(optional)
AUDIO	Switch part/full display
PART	Partial Screen display
PIP	Enable/Disable PIP function
LOAD	Load previous setting
⮌	Cancel or return
BLACK	Black input

(2). Rear Panel

DVI INPUT	QUANTITY:1 CONNECTOR:DVI-I STANDARD:DVI1.0 RESOLUTION:VESA standard, PC to 1920*1200, HD to 1080P
VGA INPUT	QUANTITY:2 CONNECTOR:DB 15 STANDARD:R、G、B、Hsync、Vsync: 0 to 1 Vpp±3dB (0.7V Video+0.3v Sync) RESOLUTION:VESA standard, PC to 1920*1200
CVBS (V) INPUT	QUANTITY:2 CONNECTOR:BNC STANDARD:PAL/NTSC 1Vpp±3db (0.7V Video+0.3v Sync) 75 ohm RESOLUTION:480i,576i
HDMI INPUT	QUANTITY:1 CONNECTOR:HDMI-A STANDARD:HDMI1.3 compatibility backward RESOLUTION:VESA standard, PC to 1920*1200, HD to 1080P
SDI INPUT (optional**)**	QUANTITY:1 CONNECTOR:BNC STANDARD:SD-SDI, HD-SDI, 3G-SDI RESOLUTION:1080P 60/50/30/25/24/25(PsF)/24(PsF) 720P 60/50/25/24 1080i 1035i 625/525 line
DVI/VGA OUTPUT	QUANTITY:2 DVI or 1VGA CONNECTOR:DVI-I, DB15 STANDARD:DVI standard: DVI1.0 VGA standard: VESA RESOLUTION: 1024*768@60Hz 1920*1080@60Hz 1280*720@60Hz 1920*1200@60Hz 1280*1024@60Hz 1024*1280@60Hz 1920*1080@50Hz 1440*900@60Hz 1536*1536@60Hz 1024*1920@60Hz 1600*1200@60Hz 2048*640@60Hz 2304*1152@60Hz 1680*1050@60Hz 1280*720@60Hz 3840*640@60Hz

2. Features

(1). Multiple video inputs -HDP703 7-channel video inputs, 2 composite video (Video), 2-channels VGA, 1 channel DVI, 1-channel HDMI, 1 channel SDI(optional), also supports 3-channels audio input. Basically it covers the needs of civilian and industrial use.

(2).Practical video output interface -HDP703 has three video outputs(2 DVI, 1 VGA)and one output DVI video distribution (ie LOOP OUT),1 Audio output.

(3). Any channel seamless switching -HDP703 video processor can also seamlessly switch between any channel, the switching time is adjustable from 0 to 1.5 seconds.

CUT A-B

Fade In Fade Out

(4). Multiple output resolution -HDP703 is designed for users of a number of practical output resolution, the widest reach 3840 points, the highest point of 1920, for a variety of dot matrix display. Up to 20 kinds of output resolution for the user to select and adjust the output to the point-to-point.1.3 megapixel user-defined resolution, the user can freely set the output.

(5). Support pre-switch technology - pre-switch technology, at the time of switching the input signal, the channel which will be switched to predict in advance whether there is a signal input, this feature reduces the case may be due to line break or no signal input to switch directly lead to errors, improve the success rate of performance.

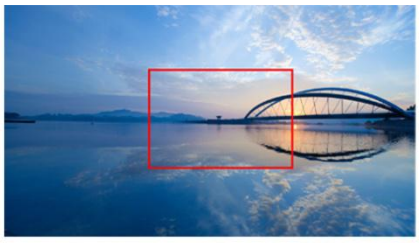
(6). Support PIPtechnology-the original image at the same state, the other input of the same or different images. HDP703 PIP functionnot only can be adjusted overlay's size, location, borders, etc., you can also use this feature to implement picture outside picture (POP), dual-screen display.

PIP

POP

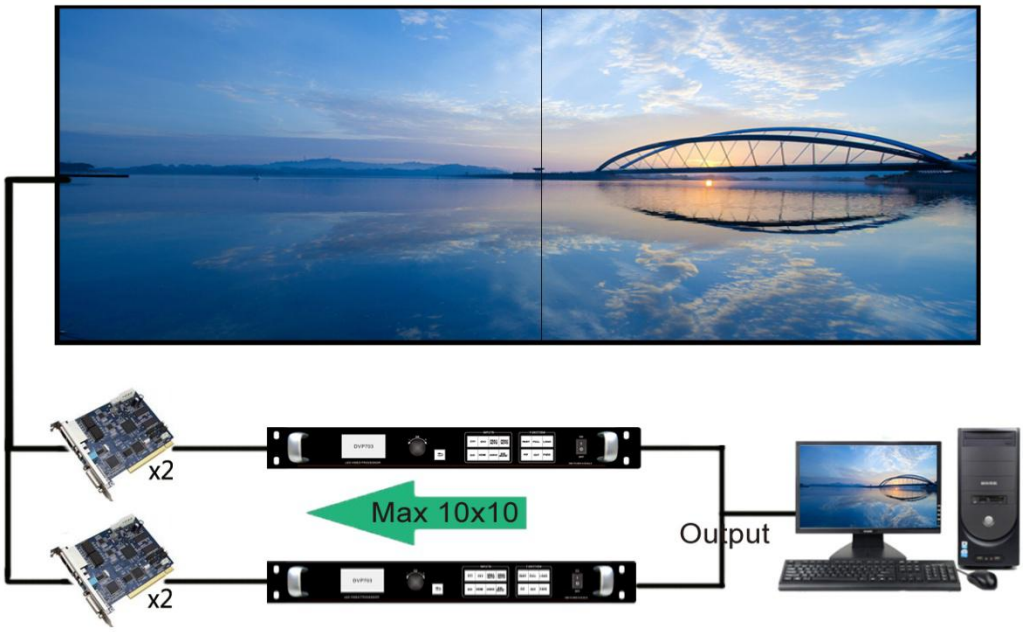
(7). Support Freeze images- during playback, you may need to freeze the current picture up, and "pause" picture. When the screen freezes, the operator can also change the current input or change cables, etc., to avoid background operations affect performance.

(8).Part with full screen quickly switch -HDP703 cancrop part of screenand full the screen operation, any input channel can be independently set different interception effect, and each channel is still able to achieve a seamless switch.



(9). Preset load-HDP703 with 4 preset group of users, each user can store all preset parameters set by the user.

(10). Unequal and equalsplicing -splicing is an important feature of HDP703, which can be achieved Unequal and equalsplicing, greatly meet user needs on the splicing. Implemented in more than one processor frame synchronization, 0 delay, no more tail and other technology, the perfectly smooth performance.

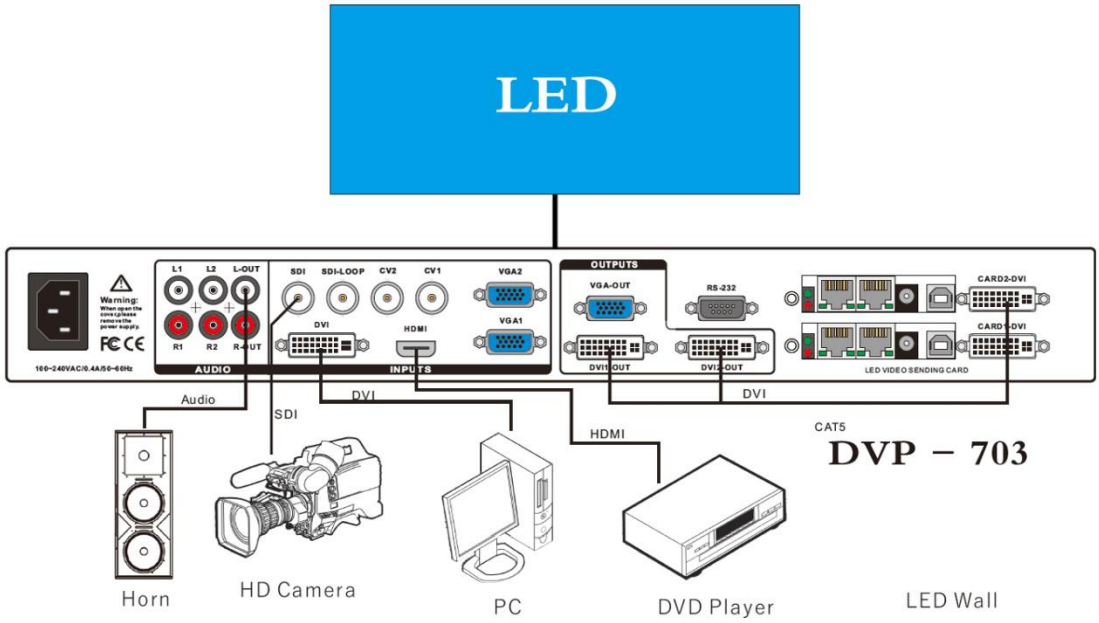


(11). 30 bit image scaling technology -HDP703 uses a dual-core image processing engine, a single core can handle 30-bit scaling technology, can be realized from 64 to 2560 pixel output while achieving 10-times amplification of the output image, ie, the maximum of the screen 25600 pixel.

(12). Chroma Cutout function -HDP703 set the color which need to cutout on processorpreviously, it is used to implement the image overlay function.

3. Applications

HDP703 is a 7 channels digital-analog videoinput, 3 channels audio input,3 video output, 1 audio output processor， it could be widely used for Lease performances, special-shaped, large LED display, LED display mixed (different dot pitch), large stage theater performances, exhibitions and so on display.



4. General

GENERAL PARAMETERS	WEIGHT ： 3.0kg
	SIZE(MM):Product ： (L,W,H) 253*440*56 Carton ： (L,W,H) 515*110*355
	POWER SUPPLY ： 100VAC-240VAC 50/60Hz
	CONSUMPTION ： 18W
	TEMPERATURE ： 0℃~45℃
	STORAGE HUMIDITY ： 10%~90%