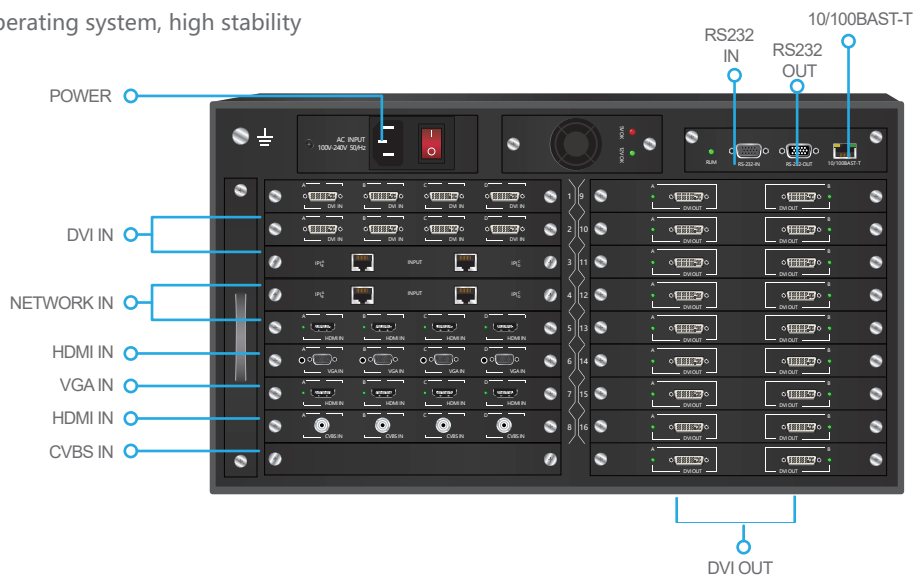| 4k*2k Splicing processor | Network control | 3840 x 2160 DVI display | Smart fan | 24 Work for 7x24 hours continuously and stably | Multi-picture overlay |

Functional characteristics

1. Using High speed data transmission technology with full crossover scheduling architecture

2. Each data channel is set with point to point special data channel, keep real time display

3. Support splicing frame effect adjustment, window fade-in fusion

4. Video windows can be roamed, superposed, zoomed, spliced and used flexibly freely

5. Hot pluggable structure, high integration of chassis, multi windows picture in picture, picture out picture

6. Advanced software design, Multiple plans round play function

7. Support network control, RS232 control Multiple plans round play function

8. Pure hardware structure, no operating system, high stability

POWER

RS232 IN
RS232 OUT
10/100BAST-T

DVI IN

NETWORK IN

HDMI IN

VGA IN

HDMI IN

CVBS IN

DVI OUT

Ｖideo wall processor is a pure hardware, professional, high-performance, high-end image processing equipment. It can display multiple dynamic images on multi screen in real time without losing frames to realize the function of multi window splicing.It is mainly applied to high quality, high definition large screen splicing display system. It is the core control device of the system display, and provides an ideal image processing solution for the application of command center, video conference, multi-media hall and other places.

The video wall processor adopts large-scale high-performance FPGA array and high-speed digital switching technology architecture, combined with full digital hardware design concept, and realizes CPU free operation system of video and image processing workstation. video wall processor has powerful processing capabilities, such as broadband video signal acquisition, real-time high resolution digital image processing, 3D higher-order digital filtering and other high-end image processing functions. The processor uses digital multi bus paralleling and digital multi bus data switching processing mechanism, which can fundamentally ensure all the input signal sources are with real-time processing and data consisten-cy, without delay, no discretization , and no frame loss of the image.

Technical specifications

Type	Project	Paremeter			
Host paremeter	Mode	FMD 1.5U	FMD 3U	FMD 5.5U	FMD 9U
	Control panel	1	1	1	1
	Input slot	2	4	8	16
	Output slot	2	4	8	16
	Size(mm)(L)*(W)*(H)	482.6*387.5*72	482.6*387.5*138	482.6*403*240	482.6*403*383
Board parameter	Input card	Multiple input cards can be free combinated:VGA, DVI, HDMI, SD/3G/HD/SD-SDI, RJ45, YPbpr/ YCbcr etc. 4 interface per input card			
	Output card	DVI/HDMI 2 interface per output card			
	Support maximum resolution	3840*2160@30HZ			
	Display mode	Multi- picture- equivalent image display			
	Input distance	≤10m (AWG26 HDMI1.4 cable standard)			
	Output distance	≤10m (AWG26 HDMI1.4 cable standard)			
Control parameter	Processor manage ethernet port	1* RJ-45 port, 10/100M self-adaption, support management and configuration of communication processor			
	Processor manage serial port	2* RS-232 ports, support controlling of outreach matrix, screen and other third party devices			
Function parameter	Transmission belt weight	6.75Gbps			
	Output resolution	3840*2160@60			
Software parameter	Control software	PWController apply to WindowsXP/Vista/WIN7			
Environmental parameter	Working temperature	-10℃ - 60℃			
	Working humidity	5~95% no cooling			
	Maximum power(W)	300W			
	Electrical characteristics	Input 165~240V AC, pluggable power supply			

Schematic diagramcifications

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