

**Summary:**

WTX - 6000 series is my company launched the second generation of digital conference server platform, with narrow side LCD splicing screen to build digital conference room complete solution, a projection room incomparable technical advantage and customer experience, cooperate to send WTS - 600 desktop client software to support the participants PC desktop window, the background, image files, media files on display at the same time, in the case of not installing third-party software, support the computer desktop screen on a key of the participants; The following upgraded version will support meeting recording; Support 2\*2,2\*4,3\*3,4\*4 conference Mosaic mode, can meet the needs of small, medium, large conference rooms, widely used in government, enterprises and other industries conference rooms, multimedia classrooms, digital cinema line preview system, financial bank network information release, medical consultation discussion system; 7\*24 hours all-weather environment adaptability.



## Features

### ➤ Equipment architecture:

1. FPGA+ embedded architecture, stable embedded system, can support 7\*24 hours long running, FPGA provides users with stable image processing ability;
2. The equipment adopts modular design, which can flexibly match multiple types of input and output board CARDS, which can be upgraded, expanded and maintained.

### ➤ The basic function

3. Support HDMI, DVI, SDI, VGA digital/analog HD signal input; Support DVI, HDMI HD digital signal output;
4. Support SD, HD acquisition and output;
5. Support single port acquisition 1920x1080 ultra HD signal; Support single port output 1920x1080 ultra HD signal;
6. Support 4K signal acquisition, single port acquisition of 3840x2160 ultra HD signal;
7. Supports 4K output with a maximum resolution of 3840x2160;
8. Video frame rate is supported at 60 frames;
9. Support monitoring sub-screen synchronous echo, can be set in one or more display units to display the main Mosaic wall of the video window synchronously;
10. Software preview back display function, namely through the software preview signal source or echo large screen image;
11. The maximum number of Windows on a single screen is 60, and all window pictures are displayed without losing frames in real time;

➤ **Network function**

12. Network PC desktop push: support PC desktop push on the wall, push the computer desktop through the network for large screen real-time display, support multiple computers push;
13. Network PC window push, support 1~12 Windows of a computer to be pushed to large screen display;
14. Network picture push, supporting PC image files to be directly pushed to the upper screen through LAN at the same time.
15. Report and push streaming media files, support the high-definition streaming media files stored by PC to be directly broadcast on the LAN screen at the same time;
16. Push the background window, which supports grabbing multiple application Windows running in the background of a single PC at the same time to push the upper screen display.
17. Support single PC mixed push, including: PC window (such as IE window), PC desktop, pictures and videos;

➤ **Video splicing processing function**

18. Realize the display functions of multiple signal sources on the wall, splicing, roaming, cross-screen, zooming in and out, in-picture painting, out-picture painting, picture superposition, etc.;
19. It supports all signals in the full screen to open a window for roaming, superposition and scaling at will, with no window position, size or proportion restrictions;
20. Support single-screen multi-window segmentation;
21. Support the function of ultra HD special effects subtitle, subtitle font, color, size, scrolling speed and direction, background color, background transparency can be flexibly selected;
22. Support ultra HD static bottom map, bottom map support a variety of image formats, support multi-window static layout, quick and simple replacement, make the large screen bottom map more colorful;
23. HD effect subtitles at the output end, display at pixel level, expenditure top scroll, full screen scroll, frame level synchronization;
24. Support ultra HD static bottom map native storage, USB interface copy, support a variety of formats fast replacement, bottom map arbitrary layout;
25. Support WEB control, which can be used for computer/mobile phone/tablet to switch plan scenarios through WEB browser;Support android tablet/phone APP installation control
26. Support the preservation of 1000 contingency plan scenarios;
27. Scene switching, can preset a variety of scenes in advance, easy to achieve any switch of various scenes, support scene rotation, can customize the rotation interval;
28. Support multi-level user management, and each user can set different operation permissions;

➤ **Other features**

29. Fan intelligent speed regulation function, which can automatically adjust fan speed according to equipment configuration and temperature situation in each region, realizing green energy saving and environmental protection;
30. Support the output port mapping technology, the connection wires between the device and the display unit do not need to correspond one to one, so the connection can be guaranteed to be effective. Complete the port mapping setting in the control software, greatly simplify the installation program and shorten the installation time;

31. Support matrix linkage control, support serial port control large screen switch machine;
32. Support secondary development and provide third-party user control protocol and interface;
33. Support multi-machine cascade and single-user interface;
34. Adaptive deinterlacing, scaling, OSD technology with independent intellectual property rights, and smooth and clear picture;
35. Encryption function, which can control the duration of use of the product.

## ➤ Specifications

WTX-6000 series							
Product model:	WTX-6016				WTX-6032		
Function:	HD signal input and output, PC desktop/single PC multi-window push, video upper wall/multi-screen splicing/overlay roaming zoom						
Master machine:	4U				9U		
Input/output slots:	16				32		
Standard input slot:	8				16		
Standard output slot:	8				16		
Standard input decoding: Or single computer push (multiple Windows): Or more computers push the desktop	4	8	12	16	20	24	32
Standard HD output:	4	8	12	16	20	24	32
Maximum input decoding:	16				32		
Maximum HD output:	16				32		
Optional HD input signal card:	optional			Not optional	optional		Not optional
4K input signal card is optional:	optional			Not optional	optional		Not optional
Optional input decoding card signal card:	optional			Not optional	optional		Not optional
Optional input PC desktop, window push signal card:	optional			Not optional	optional		Not optional
Size:	440*320*178				480*320*410		
Weight:	About 15KG				About 30KG		
Power consumption:	200W				300W		
Input card							
The type of card	Input ports	Signal port parameter					
DVI signal card:	2	DVI-D, Compatible with HDMI, support 1920*1080P					
HDMI Signal card:	2	HDMI1.3 Digital interface, support 1920*1080P					

HDMI 4K Signal card:	1	HDMI1.4Digital interface, maximum support 3840x2160
SDI Signal card:	2	SDI/HD-SDI support resolution720P50/60,1080P25/30/50/60
VGA Signal card:	2	DB-15M Analog interface, support 1920*1080P;
BNC Signal card:	2	15P Needle interface, Each interface can be connected to 8 BNC signal sources via tail line
CCTV Network video decoded signal card (H.264) :	1	Single port supports 4 channels 1080P, or 16 channels 720P, or 32 channels D1 IP decoding, or 2 channels desktop, window push
Desktop/Windows Network video decoded signal card (H.264) :	1	Single port supports 2 channels desktop, window push
CCTV Network video decoded signal card (H.265) :	1	Single port supports 16-way 1080P, 32-way 720P, or 36way D1 IP decoding; Or 4-way 4K decoding, or 4-way desktop, window push
Desktop/Windows Network video decoded signal card (H.265) :	1	Single port supports 4-way 4K decoding, or 4-way desktop, window push
Output card		
The type of card	Output port	Signal port parameter
DVI signal card:	2	DVI-D digital interface, maximum support 1920*1080P
HDMI signal card:	2	HDMI digital interface, maximum support 1920*1080P
HDMI 4K signal card:	1	HDMI1.4digital interface, maximum support 3840x2160
Large screen echo signal card:	1	Synchronous echo screen signal
Signal pre-monitoring card:	1	Software premonitor signal source function, namely through the software preview signal source
The control unit		
Display interface:	1 HDMI	
USB interface:	4	
RJ45 Internet access:	1, 10/100/1000m adaptive, supporting other devices in the LAN to remote control the processor	
RS232 serial port:	1, Support linkage control matrix, large screen and central control access	
Environmental parameters		
The power supply:	100VAC~240VAC 50/60Hz	
Working temperature:	Working temperature: -30℃~50℃	
Working Humidity:	Relative humidity: 5% ~ 95% no condensation	
Software		
Windows Client software:	WTERemote	
Desktop sending client software:	WteMeetingCenter	
Android client software:	MultiVideoController	