MTC VIDEO WALL CONTROLLER

With the complex growth of signal processing & distribution requirements including the transition from analog to digital, MTC Technologies brings solutions with outstanding quality & performance. MTC's range of video wall controllers provide solutions linking and routing various signals from any number of sources to any number of displays, vital in control centers and digital signage applications, where it is crucial for sharing multiple real-time information.

Through its high-performance video image processing workstation with pure hardware architecture and free of operating system, MTC Video Wall Controller can display multiple dynamic images on multiple screens and realize the function of multi-window splicing. MTC Video Wall Controller applies the processing mechanism of large capacity, high-speed FPGA and CrossPoint switch, which ensures real-time processing of all input signals and data consistency. Experience high stability and fast start-up speed that supports 365 x 24 hours of uninterrupted and stable operation. It supports the splicing display of 32 large screens.

LED special splicing
The high-performance splicing processing system supports the splicing of irregular LED modules to realize the high-quality splicing effect of screen pixels.

Signal source cropping
It supports the function of signal cropping, more flexible control of picture, which can solve the problem of black edge of signal, also can realize local amplification.

Character superposition
It supports character overlay settings for each signal source, and can modify the position, font size, front and background colors of characters.

Network streaming media decoding
Support H.264/AVC and H.265/HEVC hard decoding, and can be connected with various brands of IPC and encoders in the network to decode.

Mobile control
Support mobile terminal control, real-time preview of all signals on mobile terminal equipment, realize what you see is what you get.

Scene Save and Read
It supports the saving and calling of scenes, automatic timing round-robin of scenes, can select whether scenes participate in automatic round-rob-in or not.

Picture roaming
Each window can roam freely in the output screen and can be displayed on any one or more large screens. There is no boundary limit on the area of the screen display.

Screen split display
It supports the function of screen division and display, and each output channel can perform multi-screen division and display.

Picture overlay
The hierarchical relationship and layout position of each picture can be customized arbitrarily, without being constrained by the size of the image space.

Seamless switching
Each output channel can be configured with the same or different resolutions, so that different display screens can achieve better quality display effects.

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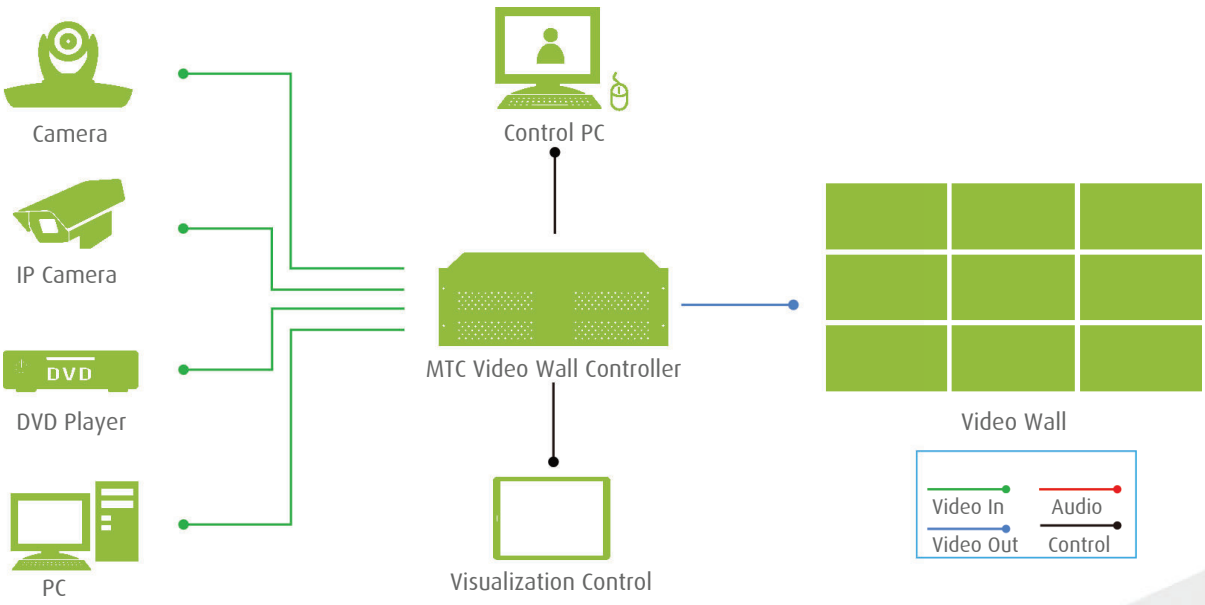
SPECIFICATION

Input Card	Description		
HDMI	HDMI 1.3 input card, support HDMI 1.3, maximum resolution 1920*1200@60Hz;		
DVI	DVI input card, maximum resolution 1920*1200@60Hz;		
H.265 Decoder card	Contains two RJ45 interfaces, supports 4 decoding channels, each channel supports 1 channel 1080P @60 Hz, 4 channels 1080P@30Hz, 9 channels 720P@30Hz;		
Analog card	VGA+CVBS combination card, supports 2 VGA input and 8 CVBS input. VGA resolution can reach 1920*1200 @60Hz, CVBS supports resolution 720*576, 720*4;		
Output Card	**Description**		
HDMI	HDMI 1.3 Ouput card, support HDMI 1.3, maximum resolution 1920*1200@60Hz;		
DVI	DVI Ouput card, maximum resolution 1920*1200@60Hz;		
Chassis	**Description**	**Size(L*W*H)**	**Power**
1.5U	2 input card slots, 2 output card slots	440/482 (W) x 320 (D) x 66 (H)	100-240VAC, 50-60Hz, ＜100W
3U	4 input card slots, 4 output card slots	440/482 (W） x 320 (D) x 130.5 (H)	100-240VAC, 50-60Hz, ＜200W
5U	8 input card slots, 8 output card slots	440/482 (W) x 320 (D) x 219.4 (H)	100-240VAC, 50-60Hz, ＜550W

Diagram



* The technical parameters in this document are subject to change without notice.©2020-03

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