

DDW-VPPCXXXX series PC BASED VideoWall Processor

-----Integrated services digital platform



DDW-VPPCXXXX video series is Shenzhen DDW Technology Co., Ltd. second-generation multi-screen processor VPPC50XX based on the research and development of a new integrated services digital platform, DDW-VPPCXXXX comprehensive inherits all the features VPPC50XX multi-screen processor, while provide a powerful network access and video streaming capabilities, support for 24-way 1080P/48 Road 720P/96 Road D1 H.264 Onvif protocol decode network camera on the wall, supports 48 network server desktop PC push on the wall, support and streaming media servers, NVR, video storage server equipment, video conferencing MCU seamless, supports up to 48 channels of on-demand and high-definition video playback, support for large-screen taped. It can be widely used in various industries areas of government security, fire protection, public security, energy, transport, power, military, etc., with the ability to adapt to the environment around the clock 7 * 24 hours.

● Features

Network functions

Network camera access

Supports 24 channels 1080P/48 Road 720P/96 Road D1 H.264 Onvif protocol decode network camera on the wall.

Support Kang,UOB, Yellow, Tsinghua, Tongfang, the Czech Republic and other mainstream manufacturers Jiaxin network cameras.

Server desktop push

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Supports 48 network server desktop PC push on the wall.

Monitoring service integration

Support streaming media server, NVR, video storage server devices seamlessly.

Conference TV business

Seamless support for video conferencing MCU provides services for real TV wall TV conference system.

Video processing capabilities

Variety of flexible windows, full range roam all windows, overlay, scaling, no window position, size, scale limits.

The maximum number of single-screen windows 48, all in real time without dropped frames display window screen.

There is no limit on the number laminated layers window, the user experience unlimited sense.

Without plug-matrix overlay support any roaming within the scope of all the full-screen window, no regional restrictions and levels.

Ultra HD static base map supports multiple image formats, support for multiple windows static layout, quick and easy to replace, so the big screen basemap more colorful.

Ultra HD marquee effects capabilities, font, color, size, scrolling speed and direction, background color, background transparency, etc. can be flexible options.

Ultra HD component input support 3840 * 1080, 5760 * 1080, 3840 * 2160; screens fine detail, crystal-clear.

Support synchronous echo sub-panel monitor, the display can be set to synchronize the master mosaic wall on one or more display unit screen.

Proprietary adaptive de-interlacing, scaling, OSD technology, the picture clear and smooth.

Special features

Output port mapping technology to connect the wire 10 seconds to complete the port mapping settings between device and display unit without correspondence, to ensure that the connection is valid, which greatly simplify the installation process and reduce installation time.

Flexible support for multi-level user control: The machine control, third-party client PC control via the Internet, WEB browser control scene change;

Supports single, four, six, nine, sixteen intelligent split screen templates, easy to complete complex window layout.

Setting the scene for unlimited plans (more than 256), easy manual, automatic plan smooth fast switching.

Support Matrix linkage control, support serial big screen switch.

Support multi-machine cascade, single user interface.

Big-screen calendar function, unique accurate and practical.

Dongle control feature that allows users to easily achieve product use time control.

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DDW-VPPCXXXX series typical application diagram



● SPECIFICATIONS

DDW-VPPCXXXX Integrated services digital platform specifications

item	models	Model No.		VPPC6004	VPPC6008	VPPC6012	VPPC6016	VPPC6020	VPPC6024
		standard	optional	4units	8	2	6	0	4units
Scale	Videowall	Videowall units	standard	4units	4units	4units	4units	4units	4units
			optional	32units	32units	32units	32units	32units	32units
	Signal Capture	Network video capture1080P	standard	4	8Nos.	12Nos.	16Nos.	20Nos.	24Nos.
			HD capture	standard	0	0	0	0	0
		SD Capture	optional	20Nos.	16Nos.	12Nos.	8Nos.	4Nos.	0
			standard	0	0	0	0	0	0
optional	160Nos.	128Nos.	96Nos.	64Nos.	32Nos.	0			
Config	Main control	processor		Intel Core-I3 Processor					

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uratio n	unit	Memory	4G DDR3 1600					
		HDD	32G SSD Harddisk					
		PC OS	Windows 7					
		Network interface	1, 10M/100M/1000M adaptive network port					
		USB	3 USB2.0, 1 two USB 3.0					
		Interface	1 VGA interface, DVI interfaces 1					
Chassis Configuratio n	Chassis height	8U						
	Input Card Capacity	12	12	12	12	12	12	
	Output Card Capacity	16	16	16	16	16	16	
proces sing capabi lities	outputs	DVI	DVI-D digital interfaces,support 1024*768,1280*720,1366*768,1920%1080					
	Signal Capture	Network video	100M network interface, 1080P/720P/D1 H.264					
		DVI,HDMI	DVI-D digital interfaces, support 800*600~1920*1080P,Adaptive					
		VGA	DB-15Manalog interfaces,support800*600~1920*1080P,Adaptive					
	SDI	SD/HD-SDI SMPTE 259M/292M,Supported resolutions:720P50/60,1080P25/30/50/60						
Other param eters	power	standard	100VAC~240VAC 50/60Hz					
		options	1+1Backup Power,100VAC~240VAC 50/60Hz					
	consumption	<350W						
	Working temperature	Operating Temperature:-30°C~50°C						
	Working humidity	Relative Humidity:5%~95% Non-condensing						
	dimension	Width 480mm xdepth 400mm xheight 360mm						
weight	30Kg							

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● DDW-VPPCXXXX/VPPC50XX/VPPC40XX Feature Comparison

DDW-VPPCXXXX/VPPC50XX/VPPC40XX Functions Comparison						
Item	Types	Description	VPPCXXXX	VPPC50XX	VPPC40XX	Remarks
Basic functions	Image processing	All the full-screen window to any roaming range, overlay, scaling	support	support	support	
	IPC network cameras decoding	Support 1080P/720P/D1 Onvif protocol decode camera	support	Not support	Not support	
	Desktop transmission network	Desktop computer networks to support transmission	support	Not support	Not support	Tender control
	Network picture playback	Support network picture window Play	support	Not support	Not support	Tender control
	Network Video Player	Support 1080P HD video playback, streaming media files to play multi-window	support	Not support	Not support	Tender control
	Large-screen taped	Support full network video recording and playback scenes	support	Not support	Not support	Tender control
	Conference TV TV wall	Video conferencing MCU directly with docking services TV wall	support	Not support	Not support	Tender control
	Single-screen window	The maximum number of single-screen window 48	support	support	support	Tender control
	Multi-split screen	Support any division, built a variety of intelligent templates (1,4,6,9,16 screen template)	support	support	support	Tender control
	Laminated window	Unlimited number of layers laminated window	support	support	support	Tender control
	Modular design	Card mode, flexible, easy to maintain strong	support	support	support	
Special functions	Output Mapping	Wire connections between the device and need not correspond to the display unit	support	support	support	Tender control
	Multi-level control	Support local control, LAN multi-user control	support	support	support	Tender control
	Static base map	Replace any flexible base map	support	support	support	Tender control
	WEB Control	Support WEB browser control switch scenes	support	support	support	Tender control
	Scene plan	More than 256	support	support	support	Tender

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						control
Large-screen switch	Supports serial control switch machine screen videowall	support	support	support		Tender control
Text Play	Player supports a variety of text effects, effects of ultra-high-definition marquee	support	support	Not support		Tender control
Large-screen calendar	Displays the current date and time in the lower left corner of the big screen	support	support	Not support		Tender control
Matrix linkage	Support for external matrix expansion, joint control	support	support	Not support		
Multi-machine cascade	support	support	support	Not support		
Ultra HD component input	Support 3840 * 1080,5760 * 1080,3840 * 2160 combined input	support	support	Not support		
Monitoring sub-panel	Support for monitoring sub-screen simultaneous display the main screen videowall	support	support	Not support		Tender control
Dongle time authorization	Dongle products using time control function	support	support	Not support		
Optional backup power	1 +1 backup power supply, 100VAC ~ 240VAC 50/60Hz	support	Not support	Not support		

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