VuWall

Datasheet

PAK
Video Wall Node

best of show 2022 Winner

2022 BEST OF SHOW InfoComm SOUND & VIDEO CONTRACTOR WINNER

Modular Video Walls for Professional and Mission-Critical Applications

PAK™ is a compact and cost-effective video wall processing appliance that can work as a standalone unit or can be stitched to each other to build an IP video wall of any size. PAK is ideal for multi-room visualization, situational awareness, control rooms, and corporate workspaces.

SIMPLE
Easy to configure, install, and manage.

VERSATILE
Utmost flexibility and scalability. One node. Endless possibilities.

RELIABLE
Minimized impact of failure. 24/7 dependability.

ECO-FRIENDLY
Smaller footprint. Low power consumption.

FANLESS
Quiet and high-MTBF with no moving parts.

SECURE
High Security. No Windows updates.

EASY MAINTENANCE
Easy to replace. Easy to troubleshoot.

HIGH PERFORMANCE
Up to 8x 4K or 32x HD decodes per node

PAK Hardware

PAK 10 & PAK 20, front

PAK 40, front

PAK 10 & PAK 20, back

PAK 40, back

PAK Features & Benefits

Simplified Deployment

VuWall's PAK Configuration Tool is designed to easily set up your system: configure your video wall outputs and resolutions, select your tiling arrangements, and set your bezel compensation.

Easy Troubleshooting

VuWall provides an array of powerful troubleshooting tools to monitor the usage and log activities of PAK appliances. These tools are designed for fast and easy diagnoses and problem resolution.
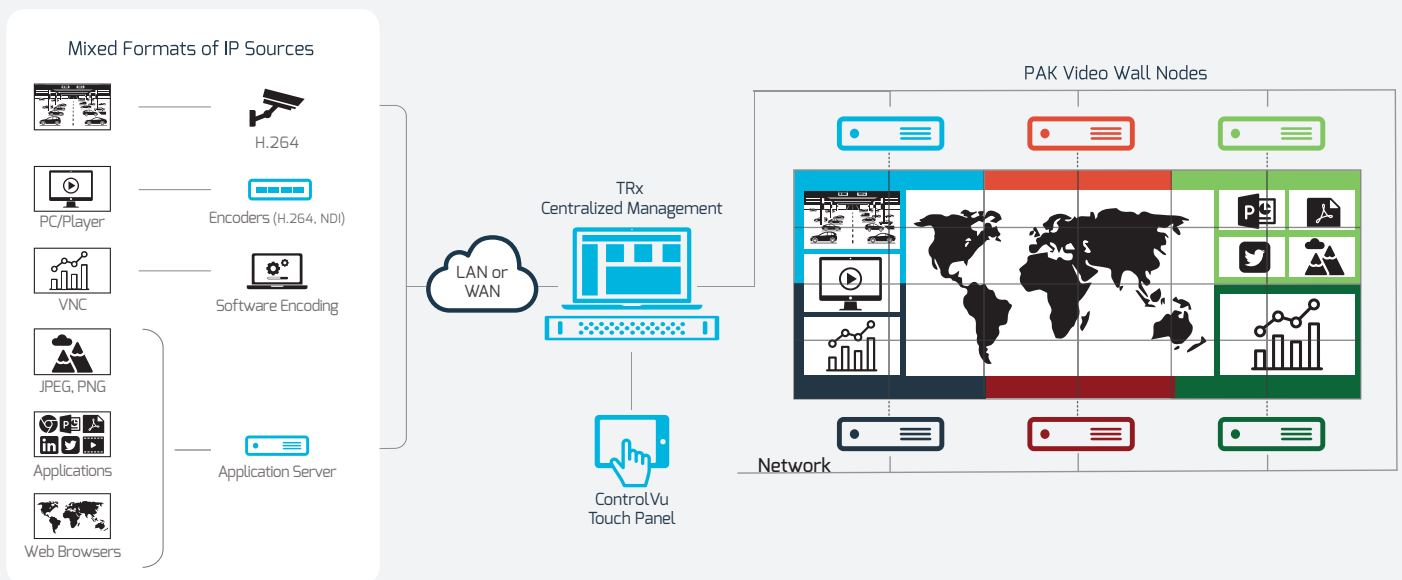
Eliminating a Single Point of Failure

Thanks to PAK's modular implementation, if one of the PAK appliances powering a video wall fails or is turned off, only a portion of the video wall that is driven by that PAK unit will be affected, while the rest of the video wall continues to operate normally. This design minimizing the impact of failure on your system. Once the PAK appliance comes back online, the affected displays automatically recover.

Eco-Friendly

We must all do our part. PAK's eco-friendly, low-noise, and compact design boasts a smaller footprint and a power consumption as low as 15W and 36W for the PAK 10/20 and PAK 40 models, respectively.

Unlimited Size Video Walls Stitched With PAK

How it Works

PAK is a high-performance multi-window IP decoding device that can work as a standalone unit or can be stitched together with other PAK nodes to build a large IP video wall. If stitched together, each PAK unit represents a small subset of the larger wall, driving up to 4 displays at a time. The IP video processing is shared among all PAKs, as each PAK processes only the content that it needs to display on its own outputs. As a result, this modular implementation ensures the ability to scale the video wall to virtually an unlimited size, by increasing its processing power with every additional PAK.

VuWall PAK Technical Specifications

Product Name	PAK 10 | PAK 20	PAK 40
Part Number	PAK-10-2 | PAK-20-2	PAK-40-1
Hardware		
Power Button	1x front panel power button	
Weight	1500g / 3.3 lbs.	1300g / 2.9 lbs.
Dimensions	165 x 200 x 39.5 mm (WxDxH) 6 x 7.9 x 1.55" (WxDxH)	165 x 190 x 43 mm (WxDxH) 6 x 7.5 x 1.7" (WxDxH)
Power Consumption	15W	36W
Power Supply	65W adapter Input: 100-240 VAC, 50/60 Hz Output: 19V/3.42A DC	90W adapter Input: 100-240 VAC, 50/60 Hz Output: 19V/4.74A DC
Operating Conditions	Operating temperature range: 0-40°C Relative humidity, non-condensing: 10-90%	Operating temperature range: 0-50°C Relative humidity, non-condensing: 10-90%
Cooling	Fanless: Passive Cooling	Fanned: Active Cooling
Noise Level	17 dB	36 dB
Warranty	3 years	
Network Interface		
Connectors and Standard	2 x RJ45, 1 GbE (each)	
IP Version	IPv4 and IPv6	
Distribution Method	Unicast and Multicast	
IP Addressing	Static IP and DHCP	
Software		
Management	VuWall TRx	
Outputs		
Connections	PAK 10: 1 x HDMI or 1 x DisplayPort 1.2 PAK 20: 1 x HDMI and/or 1 x DisplayPort 1.2	4 x HDMI
Max. Resolution	PAK 10: 1x 1920x1080@60Hz PAK 20: 1x 3840x2160@60Hz or 2x 1920x1080@60Hz	1x 3840 x 2160 @ 60 Hz or 4x 1920 x 1080 @ 60 Hz
Audio Output Format	Stereo, 48 kHz	
Decoding		
Decoding Capability	1 x 3840 x 2160 @ 60 Hz or 2 x 3840 x 2160 @ 30 Hz or 8 x 1920 x 1080 @ 60 Hz or 16 x 1920 x 1080 @ 30 Hz or 32 x 1280 x 720 @ 60 Hz or 32 x 1280 x 720 @ 30 Hz	4 x 3840 x 2160 @ 60 Hz or 8 x 3840 x 2160 @ 30 Hz or 16 x 1920 x 1080 @ 60 Hz or 32 x 1920 x 1080 @ 30 Hz or 32 x 1280 x 720 @ 60 Hz or 32 x 1280 x 720 @ 30 Hz
Formats	H.264, NDI*, VNC (Web Browsers, Applications, JPEG, PNG)	
Streaming Protocols	RTSP, MPEG2-TS, RTP, HLS	
Supported Audio Format	AAC, 32 kHz to 96 kHz	
Video Processing		
Type	Video Scaling, Cropping & Compositing	
Mounting Hardware		
VESA	75/100 mm (hardware included)	
Rackmount	Rackmount kit available to mount 2 x PAKs (sold seperately – part number: PAK-Rack-Mounting-Plate)	

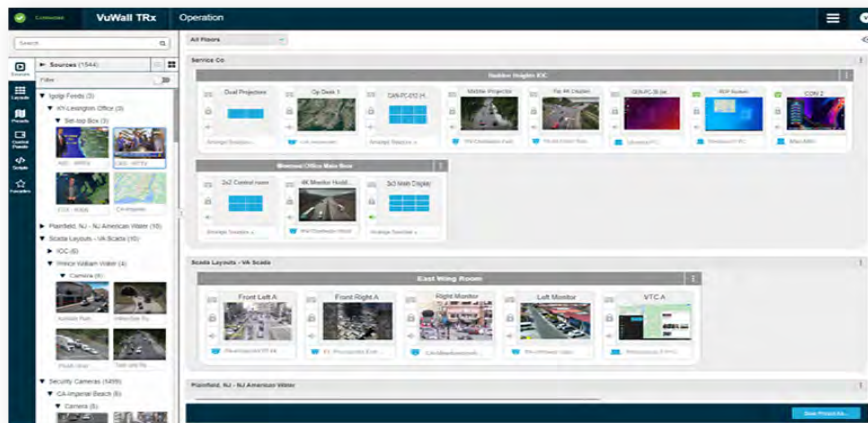* NDI support is not yet available, please contact Sales for more information.

VuWall's TRx Software

Manage all your PAK nodes with the award-winning TRx software – a single, common platform to manage your entire video wall and AV distribution ecosystem.

TRx is the only platform that combines AV-over-IP distribution, advanced multi-video wall and KVM management. It is a centralized platform used to configure, manage and distribute virtually any source type to any display with easy drag-and-drop and no programming required.

TRx features an intuitive interface, a built-in HTML-based control panel designer, scripting, advanced security, user rights management, and an extensive API. Thanks to its interoperable and hybrid design, TRx simplifies the deployment of complex AV-over-IP projects.

Control what you see.
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