Top Things to Consider When Buying a Video Wall Processor

Video wall processors offer a lot of flexibility and power to your commercial, corporate, and educational displays. From retailers and corporate setups to auditoriums, laboratories, control rooms, crisis rooms, and mission-critical applications, video wall processors are used everywhere. Whether you want to deploy a video wall of a non-traditional shape or aspect ratio, or beyond the standard 3x3 or 2x2 grid, or need the best quality resolution for your content streamed from multiple sources, there are video wall processors out there that can accommodate your needs.

Before buying a video wall processor, it's worth exploring your options, considering the features of your short-listed choices, and selecting the one best suits your needs. The video wall processor that you select shouldn't just meet your current project needs, but also support the requirements that you may have in the next 5-10 years as your video wall may expand and your business grows. For intelligent and informed decision-making when buying a video wall processor, you should consider a few things as mentioned below.

1.   Precise Input Detection

Since you're likely to have multiple sources displayed on your video wall, incoming source signals can differ extensively in resolution and signal format. Your video wall processor should be able to detect those input sources automatically, accurately, and quickly. If its auto-detection is slow, it can create blank windows that are displayed for an undesirable period when switching between input sources or window layouts. Erroneous detection of the input signal can also cause images to be shown at the incorrect aspect ratio, be shifted vertically or horizontally, or displayed with other visual distortions. Though each of these issues can be corrected with manual programming, it can take time to fix them. This could easily be avoided if your video wall processor supports multiple sources and source types, making the addition of new source types in the future, worry-free .

Custom Output Modes

Your video wall processor should be able to support multiple output signal formats simultaneously. It should also let customization of the output resolution. This will be helpful if your system's display devices aren't of a standard resolution. For instance, based on your needs, you can **look for** video wall processors that support inputs of up to 16x. Some video wall processors may take it a few notches up to support up to 64x with expanders like AdScape. Whether you need maximum outputs of 24x 4K or 48x HD or want to use diverse sources like your in-house network's video files, pictures, texts, or content and feeds from websites, YouTube, etc., it would help if your video wall processor can support them all and provides custom output modes.

2.   Redundancy

If you plan to use your video wall processor in 24/7 or mission-critical applications, it must have hot-swappable, redundant parts. With redundant, hot-swappable power supplies, your processor will

continue running during an unexpected failure and make replacement possible without powering down the video wall. If the processor has hot-swappable fans, they can be easily and quickly replaced, if required. Since the replacement of these parts won't need the removal of your video wall processor from the rack, it will help reduce downtime.

3.   Ability to Upscale and Downscale

Your video wall processor should be able to maintain excellent image quality. Whether your video wall is displaying high-resolution, large images or needs images to be downsized into "thumbnails" or smaller windows, your processor should be able to do it. Scaling up or down the images or videos from their native resolution without compromising image integrity is a crucial aspect to consider before buying a video wall processor. If your processor scales images poorly, it will make imagery ineffective for control rooms and mission-critical environments that need real-time, critical analysis of images or video feeds.

VuScape – The Ideal Video Wall Processor to Buy

If you aren't sure where to get an efficient video wall processor, which ticks all the attributes mentioned above and offers much more, don't look beyond VuWall's VuScape. It's ideal for use across various environments - from collaboration rooms to control rooms and corporate signage. With this video wall processor, you can easily control and distribute content from diverse sources to any display on your network with optimal flexibility. **VuWall** is a premier name worldwide in providing video wall solutions. You can browse its stock of interoperable video wall nodes, encoders, decoders, controllers, web-based touch panels, and other enhancements to find a complete ecosystem of products to deploy an small or large high-quality, flexible, and reliable video wall solutions.