

## PapWall Video Wall Controller



### Visualization solutions for professional and mission-critical applications

**PapWall is a high-performance video wall processor ideal for small or large video wall deployments in control rooms, collaboration rooms, corporate signage applications and TV Broadcast Studios. Easily control and distribute all your content sources to any display on your network with the utmost flexibility and full-featured management software.**

#### Features

- ✓ Power up to 12 4K displays with a single controller
  - ✓ Capture up to 8x 3G-SDI sources with a single controller
  - ✓ Mix SDI & IP sources on the same controller (Multiple SDI/NDI inputs)
  - ✓ Display up to 5 HD IP streams simultaneously
  - ✓ Decoding of IP streams through hardware up to 4K
  - ✓ Display an unlimited number of windows per screen
  - ✓ Supports TCP/UDP/OSC Input for Remote Control from everywhere in the world
    - ✓ External Modular Controller for easy scene shortcut recall (PapWallControll Sold Separately)
    - ✓ Tablet/Mobile Web Interface for remote Control(Sold Separately)
    - ✓ Unlimited Saved Presets for Scene Creation that support more than 100 Time Based Transitions between Scenes that can be changed Live in Real Time. Transitions can include transform, rotation fade,wipe,zoom,Size and positions,Cropping,Masking,scaling.
  - ✓ NVIDIA Quadro GPU with 3D Acceleration available
  - ✓ Encoding of SDI/NDI inputs or of the video wall up to 4K
  - ✓ Single chassis solution for a simplified deployment
  - ✓ 24-bit true color image processing at full frame rate
  - ✓ Support for standard Windows applications
  - ✓ Dependable for 24/7 mission-critical Applications.
  - ✓ SDI Preview Of All Inputs for Confidence Monitor (SDI/NDI/STREAM/FILE)
  - ✓ PapWall Supports layering System Composition for Up to 9.900 Layers that are resolution Agnostic 32bit Color Depth per Layer for Compositing between Layers that can Consist of any Available input - SDI/Stream/NDI/File(Video,Still). Each Layer can be Transformed freely in any direction resized,rotated ColorCorrected(Broghtness Contrast,RGB Correction,Luma Key,Chroma Key,Clipping,Saturation,Mask,Blend and Distortion).
  - ✓ Internal CG Engine for Live Text Implemented Real Time-Updated and Re transformed in any manner as each individual Layer
- ALL Features are Real-Time and can Be previewed Live



#### User Friendly

Video wall control made easy. Our systems are easy to deploy, easy to use and easy to manage.



#### Future Proof

Open architecture, standards-based, and interoperable with 3rd party solutions.



#### Dependability

Optimized for real-time throughput providing reliable 24/7 operations.



#### Modular And Scalable

Only buy what you need. Our system can grow with you as you needs change.

# PapWall Technical Specifications

Model	PapWall
<b>Hardware</b>	
Dual CPU	2x Intel® Xeon Silver 3.6GHz
RAM	64GB
M.2 SSD	512GB M.2 SSD, 3200 Mb/s Read/Write
Backplane	7x Slot PCIe x16
Network	2x 1GbE
Weight	21-25 kg (shipping weight: 32 kg)
Case	19" 4 RU case
Dimensions	428 W x 176 H x 467 D mm (16.85" W x 6.93" H x 18.38" D)
Power Supply	100-240 VAC 2x 700W using redundant N+1 hot swappable modules
Operating Conditions	Temperature 0-35°C (32-95°F) / Humidity 20%-80%
MTBF	100,000 hrs. (Fans = 70,000 hrs.)
BTU	Max. 2,500 BTU/h
Noise Level	40dB up to 65dB (Depends on system config + room temp)
<b>Software</b>	
OS	Windows 10 Enterprise LTSC 64bit
Management	OHC Web Based Remote Hardware Observation and Control
Recovery	Easy backup and recovery USB
<b>Outputs</b>	
Max number of outputs HDMI/DVI/D.P.	Up to 12x 3840x2160 up to 60Hz fps
SDI Outputs 2x 3G-SDI	Up to 1920x1080p60 (Can be used for Preview I/O)
Configuration	4x outputs per card / Max. 16,500 x 16,500 pixel per system
<b>Inputs</b>	
SDI Inputs	4x 3G-SDI (Up to 8x Expandable) 1x Dual Link SDI Input for Fill & Key.
Formats	3G-SDI, HD-SDI and SDI
Media Files	All Broadcast Media Formats and Containers supported(MOV,PNG,TGA,MP4 ,MPEG-4,MKV H.264/HEVC,MXF) 32bit(Alpha Channel)
Resolutions	All Resolutions Supported up to 3840x2160 plus Custom Video Anamorphic Resolutions for non standard VideoWall Configurations
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<b>Decoding</b>	
Host CPU decoding capability	Default software decoding of 8x HD (H.264/MPEG-4 Part 10, MPEG-2, MPEG-4)
Resolution	3x 4Kp30 / 12x 1080p30 / 5x 1080p60
Stream Format	Protocols: NDI,SRT,RIST,HTTP, RTSP, RTP, UDP Containers: MPEG4 part 1, MPEG2-TS, WMV, MOV Distribution: unicast & multicast Codec: H.264 (MPEG4 Part 10 AVC), VC-1, MPEG2 Part 2 & MJPEG
Warranty	5 Years Manufacturers Warranty

# VideoWall Series



PapWall

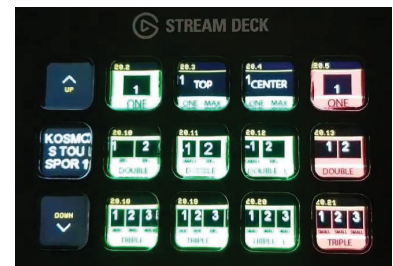
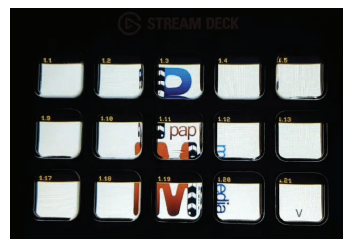


Output Only Version With File & Stream Inputs



SDI In/Out Version With SDI & File & Stream Inputs and SDI Preview Of Incoming Sources.

PapWallController



\*Images shown here are not proportional. Please consult technical specifications for dimensions.

Need help? Contact us at [info@papmedia.gr](mailto:info@papmedia.gr)

[papmedia.gr](http://papmedia.gr)