

WALL SERIES

MODULAR VIDEO WALL CONTROLLER

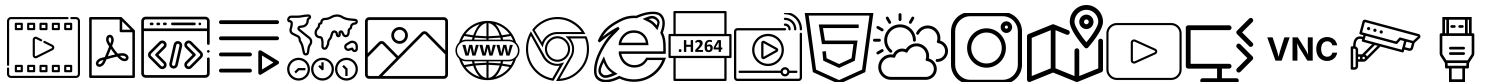


Advanced Visualization Solutions for Professional and Mission-Critical Applications



The **4TheWall Wall Series** is a high-performance video wall controller family, engineered for demanding visualization environments such as **command and control centers**, **surveillance rooms**, and **corporate workspaces**.

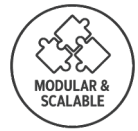
Whether for small-scale installations or large mission-critical video wall deployments, Wall Series delivers exceptional flexibility, scalability, and reliability. The system enables real-time distribution of multiple content sources to any display over the network with unmatched performance and control precision. All management operations are performed through a **secure HTTPS-based web interface**, offering intuitive, user-friendly access to real-time content configuration, monitoring, and system control.



Features

- ▶ Up to 96 Full HD Screen support with single controller
- ▶ Up to 64 x 4K Physical Input support with single controller
- ▶ Hybrid base controller IP Sources and Multiple physical sources on the same controller
- ▶ Display up to 256 1080p@30Hz IP Stream hardware decoding support
- ▶ 4K Hardware Decoding and Encoding capability
- ▶ Unlimited Window/Layer support
- ▶ LDAP/AD user privilege support
- ▶ 24/7 working support, PSU, HDD and network redundancy hot swap disk and PSU support
- ▶ Control Path Orchestration platform support
- ▶ Completely web-based (https) software
- ▶ Advanced API integration, support for over 500 known protocols
- ▶ Perpetual licensing and unlimited user support for one controller
- ▶ Advanced soft KVM support
- ▶ Advanced user authorization and regional authorization support

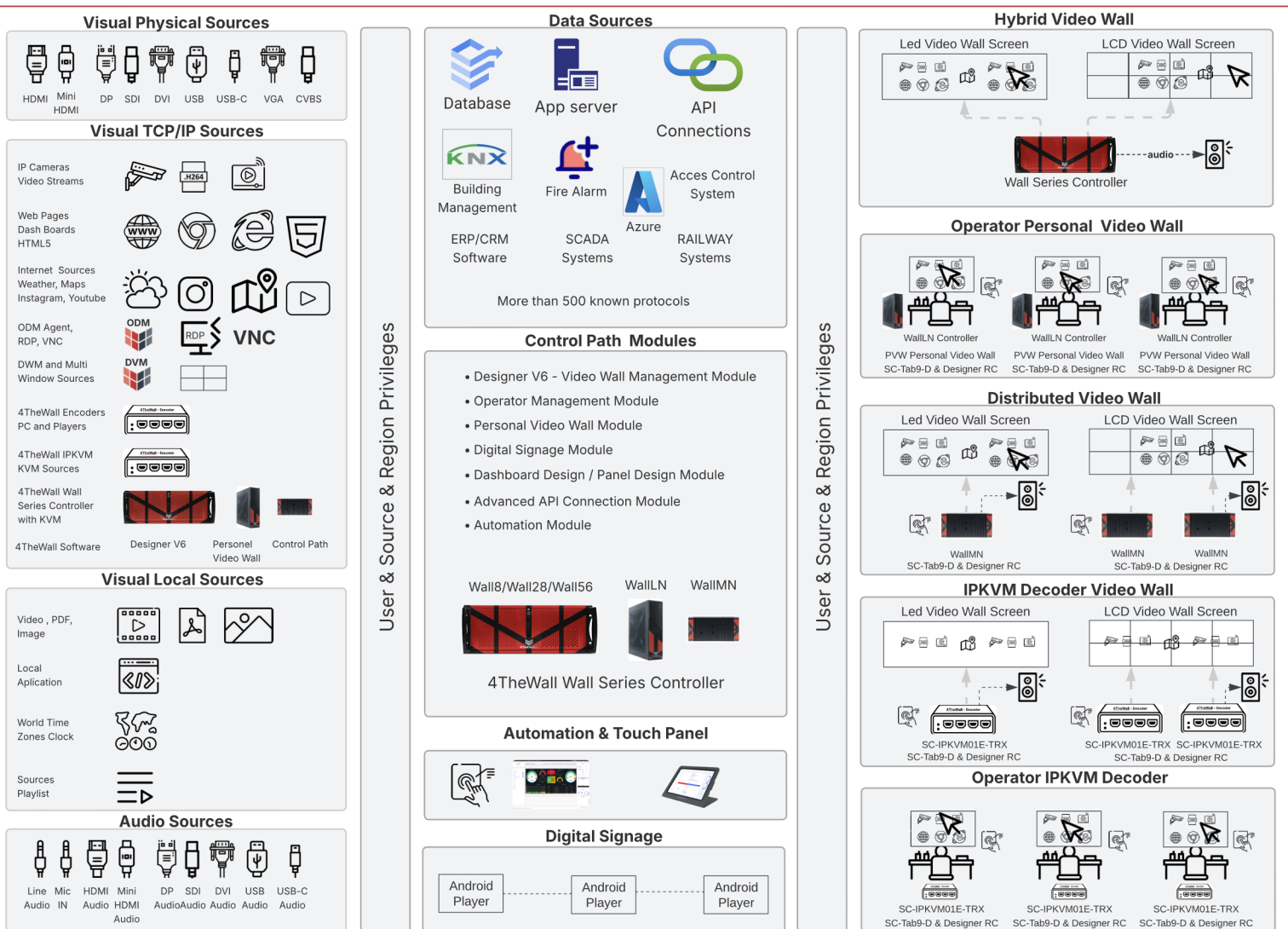
Modular, Flexible and Powered by Software-Driven Intelligence



Wall Series Controllers are powerful, modular systems designed with flexibility and scalability in mind. Their strength lies in their software architecture and GPU-based performance, developed entirely by **4TheWall engineers**.

All content and resources in the ecosystem can be shared by the protocol developed by **4TheWall**. This protocol not only enables video and content sharing, but also allows keyboard and mouse control between systems; Although it is a custom-developed technology, it is fully compatible with all modern browsers.

Operators can easily bring any source from the controller to their own workstations for direct interaction. With the PVW (Personnel Video Wall) software, each operator can configure their own personalized video wall, split screens and organize content sources independently. Operators can also share resources among themselves and send any content they want to the central video wall, making collaboration seamless and dynamic.





DEFENSE - Visualize Intelligence and Collaborate Securely

FEDERAL - Dynamic Collaboration for Federal Organizations

FINANCIAL SERVICES - Collaborative Defense Against Outages and Intrusions

Applications

- Command Control Rooms, Field Operations Center
- Crisis and Emergency Centers,
- Security (CCTV) Monitoring Centers,
- SOC (Security Operation Center) and NOC (Network Operation Center) Centers,
- Infrastructure (Tunnel, Highway Monitoring Center etc) and Transportation (Railway, Air Traffic control etc) Systems,
- Enterprise Business (Meeting Rooms, Executive Offices, Conference Halls,)
- Special Visualization Areas
- Classrooms & Auditoriums Data Centers

Wall Series operates as part of the Control Path Orchestration Platform and inherits all of Control Path's advanced capabilities:

- Real-time data collection
- Device communication and API integration
- Trigger/alarm response
- Third-party hardware and software compatibility

Transforms Wall Series from a simple controller to a multi-functional intelligent communication system. It not only interacts with the video wall ecosystem, but also integrates with external devices and systems in response to real-world sensors such as alarms, sensors or automatic signals

Modular, 24/7-Optimized Video Wall Controllers for Every Application

The **Wall Series** product family includes multiple hardware models designed to meet a wide range of project needs and environments:

WallIMN (Mini), **WallILN** (Low Noise), **Wall8Black** and **Wall28Black** (Non-Redundant), **Wall8R** and **Wall28R** (Redundant), **Wall56R** (Redundant, high-capacity)

All units are purpose-built for **24/7 mission-critical operation** and can be **modularly designed** according to the required number of input and output ports.

Thanks to their scalable architecture, Wall Series controllers deliver outstanding reliability, flexibility, and performance in all sizes of video wall deployments.

Supported Stream formats : Protocols: HTTP, RTSP, RTP, UDP Containers: MPEG4 part 1, MPEG2-TS, WMV, MOV Distribution: unicast & multicast Codec:

H.264/H.265 (MPEG4 Part 10 AVC), VC-1, MPEG2 Part 2 & MJPEG



Wall Series	WallIMN/04D	WallIMN/03A	WallILN	Wall8Black/Wall8R	Wall28Black/Wall28R	Wall56R
Purpose of use	Distributed Video Wall	Small size Video Wall, Operator Desk, Meeting Room	Small video wall with limited space and need for GPU and decoding	Large and Midsize video wall with many inputs & outputs requiring GPU and more IP decoding power		
Mounting Type	Desktop / VESA	Desktop / VESA	Desktop / Slim	4U Rack Mount		
Max Physical Inputs	IP Only	3 x 4K@60Hz (USB)	Up to 4 x 4K@60Hz	Up to 12 x 4K@60Hz	Up to 32 x 4K@60Hz	Up to 96 x 4K@60Hz
Max Physical Outputs	4 x 4K@60Hz	3 x 4K@60Hz	Up to 8 x 4K@60Hz	Up to 8 x 4K@60Hz	Up to 16 x 4K@60Hz	Up to 16 x 4K@60Hz
Supported Source Types	H.264, H.265, Web	TCP/IP, Local, Only USB Physical , Audio	TCP/IP, Local, Physical, Audio	TCP/IP, Local, Physical, Audio	TCP/IP, Local, Physical, Audio	TCP/IP, Local, Physical, Audio
IP Decoding Capability (simultaneously)	1x 8K60 or 6x 4K60 or 12x 4K30 or 18x 1080p60 or 40x 1080p30 or 34x 720p60 or 72x 720p30	10xHD or 2x4K	44xHD or 16x4K or 2x8K	88xHD or 16x4K or 2x8K	128xHD or 32x4K or 4x8K	192xHD or 32x4K or 4x8K
Stream Protocols	RTSP, SRT, MPEG2-TS	RTSP, SRT	RTSP, SRT	RTSP, SRT	RTSP, SRT	RTSP, SRT
Operating System	Linux	Windows 10/11 Pro/LTSC	Windows 10/11 Pro/LTSC	Windows 10/11 Pro/LTSC	Windows 10/11 Pro/LTSC	Windows 10/11 Pro/LTSC
CPU	-	Intel I7	Intel 9	Intel I9 or Xeon	Intel I9 or Xeon	Intel Xeon
RAM	-	16GB Standart	16GB Standart, up to 96GB (optional)	16GB Standart, up to 256GB (optional)	16GB Standart, up to 256GB (optional)	32GB Standart, up to 256GB (optional)
SSD	-	1x240GB Standart	1x240GB Standart 2x240GB Raid1 (optional), 1x500GB (optional), 2x500GB Raid1 (optional)	1x240GB Standart 2x240GB Raid1 (optional), 1x500GB (optional), 2x500GB Raid1 (optional)	1x240GB Standart 2x240GB Raid1 (optional), 1x500GB (optional), 2x500GB Raid1 (optional)	2x240GB Raid1 Standart, 1x500GB (optional), 2x500GB Raid1 (optional)
Backplane	-	-	Max 2 Slots	Max 4 Slots	Standart 7 Slots, up to 9 Slots (optional)	Max 21 Slots
Network	2.5GbE RJ45	1x2.5GbE RJ45, 1x1GbE RJ45	1x2.5GbE RJ45	2x1GbE RJ45 or 1x1GbE RJ45	2x1GbE RJ45 or 1x1GbE RJ45	2x10GbE RJ45
Power Supply	90Watt (DC12-DC19V)	65Watt (DC19V)	450Watt (110V-220V)	750Watt (110V-220V)	750Watt (110V-220V)	1000Watt (110V-220V), up to 2000Watt (optional)
Redundant Options	-	-	-	Yes (optional)Wall8R	Yes (optional)Wall28R	Yes (Standart)
Operating Conditions	0 to 40 Celsius 10% to 90% non-condensing	0 to 50 Celsius 10% to 90% non-condensing	0 to 50 Celsius 10% to 90% non-condensing	0 to 50 Celsius 10% to 90% non-condensing	0 to 50 Celsius 10% to 90% non-condensing	0 to 50 Celsius 10% to 90% non-condensing
MTBF	100.000 hours	100.000 hours	100.000 hours	100.000 hours	100.000 hours	100.000 hours
BTU	-	-	700BTU to 900BTU	1700BTU to 2500BTU	1700BTU to 2500BTU	2500BTU
Software	Designer M6	Control Path, Designer V6, Designer PVW, Designer RC	Control Path, Designer V6, Designer PVW, Designer RC	Control Path, Designer V6, Designer RC	Control Path, Designer V6, Designer RC	Control Path, Designer V6, Designer RC
Certification	TAA/CE/EMC/LVD/RoHs	CE/EMC/LVD/RoHs	CE/EMC/LVD/RoHs	CE/EMC/LVD/RoHs	CE/EMC/LVD/RoHs	CE/EMC/LVD/RoHs
7/24 Support	-	-	-	Yes	Yes	Yes

4TheWall Ecosystem Compatibility

Seamless Integration Across All Components – Backed by 25 Years of System Integrator Experience

With over 25 years of experience as a professional system integrator, **4TheWall** understands a key principle in **mission-critical projects**:

Customers demand a unified solution where all electronic components – from video wall controllers to operator interfaces are built under a **single brand** and work together in **perfect harmony**.

Recognizing this, 4TheWall has conducted extensive compatibility testing to ensure that all its products operate seamlessly as part of a unified ecosystem. The result is a fully integrated platform designed for reliability, interoperability, and simplicity.

4TheWall LCD Video Wall Screen



LCD Videowall Screen

4TheWall LED Video Wall Screen



SC-50/7 FP/FX/FLP Led Screen

4TheWall Encoders / IPKVM



SC-ENC01E-A-S



SC-IPKVM01E-TRx

4TheWall Extenders



SC-EXT4K-FO



SC-EXT4K-120M

4TheWall Touch Screen Panels



SC-TAB9-D

SC-TAB9-W

SC-TAB4-W

4TheWall Modules and Softwares

- CPA-PRO - Control Path Pro
- Designer PVW - Personel Video Wall
- Designer RC - Remote Control Software
- ODM - Operator Desktop Manager
- CPA-DS - Control Path Digital Signage