

Wall56R

MODULAR VIDEO WALL CONTROLLER



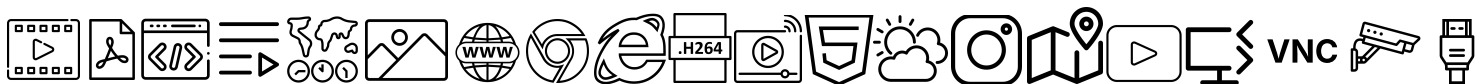
Advanced Visualization Solutions for Professional and Mission-Critical Applications



The **4TheWall Wall56R** 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, Wall56R 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.

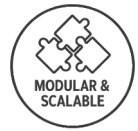


Features

- Up to 64(*) Full HD Screen support with single controller
- Up to 96(*) x 4K Physical Input support with single controller
- Hybrid base controller IP Sources and Multiple physical sources on the same controller
- Display up to 88(*) x 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

(*) Must be need additional Hardware modules

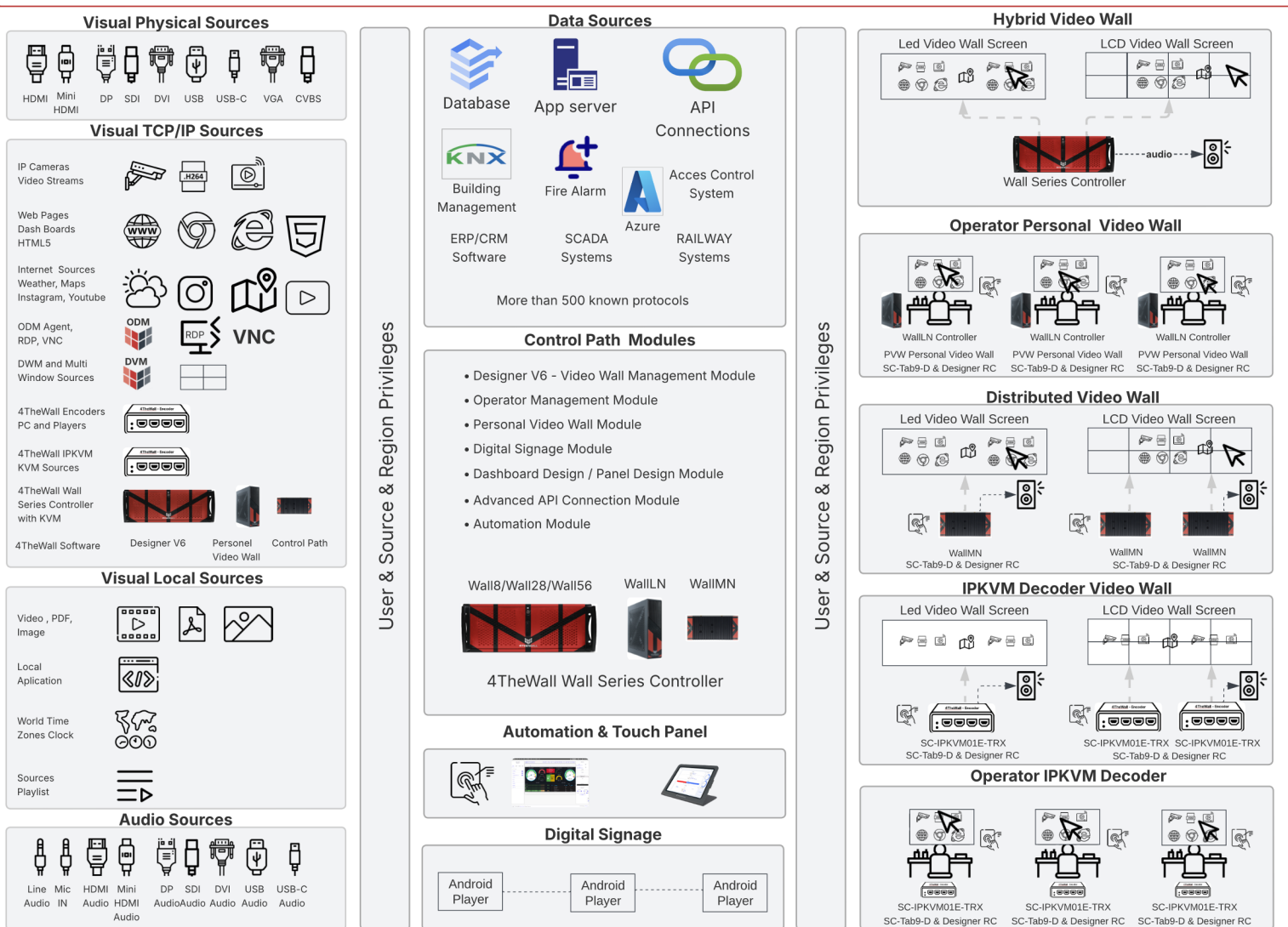
Modular, Flexible and Powered by Software-Driven Intelligence



Wall56R 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

Wall56R 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 Wall56R 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 **Wall56R** product family includes multiple hardware models designed to meet a wide range of project needs and environments:

SubWall : The **Wall56R** control unit can be used as more than one sub-control unit. Thus, more than one video wall screen can be managed with a single control unit. All Subwall use same sources

Wall56R Redundant Power Supply, Raid1 HDD Configuration, Bridge Mode Network Port support

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, Wall56R controllers deliver outstanding reliability, flexibility, and performance in all sizes of video wall deployments.

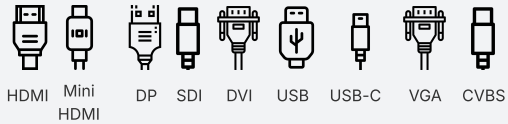
Supported Stream formats : Protocols: HTTP, RTSP, RTP, UDP Containers: MPEG4 part 1, MPEG2-TS, WMV, MOV Distribution: unicast & multicast
 Codec: H.264/H.265 (MPEG4 Part 10 AVC), VC-1, MPEG2 Part 2 & MJPEG



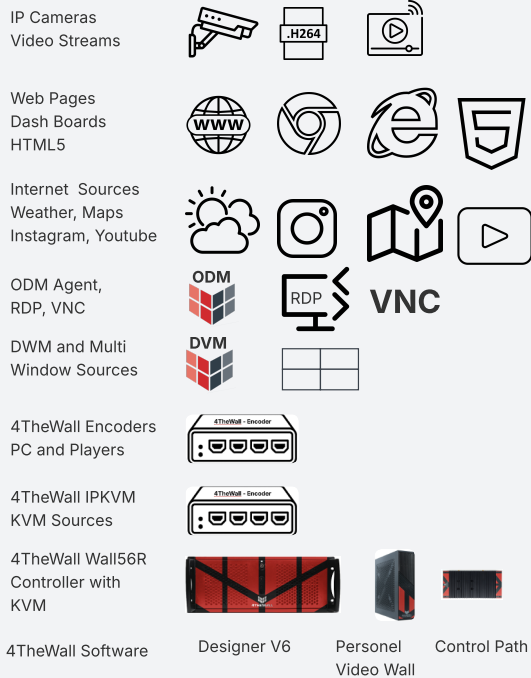
	Wall56R
Purpose of use	Large video wall with many inputs, outputs and IP decoding
Mounting Type	5RU Rack Mount
Physical Inputs	Up to 96 x 4K@60Hz (3840 x 2160@60Hz) - HDMI2.0b 1 x Line Audio 3.5 mm Stereo, 1 x Microphone 3.5 mm
Max Physical Outputs	Up to 16 x 4K@60Hz (3840 x 2160@60Hz) - DP2.0 1 x Line Audio 3.5 mm Stereo
Supported Source Types	Visual TCP/IP Sources, Visual Local Sources, Visual Physical Sources, Audio Sources
HDCP Support	Yes - HDCP 2.3
IP Decoding (Hardware) Capability (simultaneously)	Up to 32 x 4K@60 or up to 96 x 1080P@60 or up to 192 x 1080P@30 or up to 384 x SD
IP Decoding (Software) Capability (simultaneously)	2 x 4K@60 or 8 x 1080P@60 or 10 x 1080P@30 or 16 x SD
Stream Protocols and Codecs	RTSP, SRT, MPEG-TS, TCP/RTP, UDP/RTP Unicast, UDP/RTP Multicast stream, H.264/MPEG-4 Part 10 (AVC), Level 5.2 codec
SubWall Support	Yes
Operating System	Windows 10/11 Pro (64 Bit), Windows 10/11 LTSC (64 Bit)
CPU	Intel Xeon
RAM	32GB Standart, up to 256GB (optional)
SSD	2 x 240GB SSD (Hot-Swap) Disk with Raid1 Configuration(*)
Backplane	Standart 21 Slots
Network	2 x 1GbE RJ45
Power Supply	up to 4 x 1000Watt (110V- 220V), up to 4 x 2000Watt (optional)
Redundant Options	Yes
Operating Conditions	-0 Celsius ~ 50 Celsius Celsius, 10% to 90% non-condensing
Working Humidity Range	20~80% RH (no condensation)
Storage Conditions	-20 Celsius ~ 60 Celsius, 10% to 90% non-condensing
ESD Protection	±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	563.7 mm × 430 mm × 176 mm - W/D/H
Weight	25kg
MTBF	100.000 hours
BTU	2500 BTU
Software	Control Path, Designer V6, ODM Stream Software included, Optional Software Designer RC
Certification	CE/EMC/LVD/RoHs
7/24 Support	Yes
Package Content	1 x Wall56 Chassis, Accessories Box, Power Cable , User Manual

(*) After Raid1 Configuration Disk Size : 240 GB

Visual Physical Sources



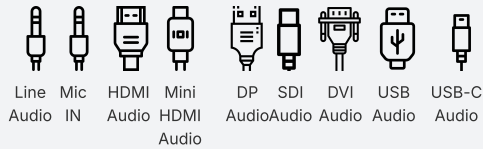
Visual TCP/IP Sources



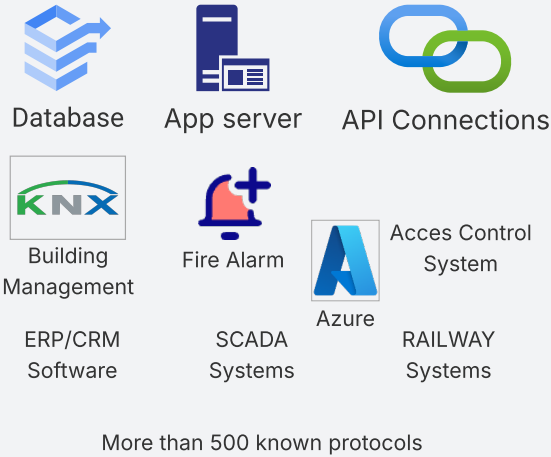
Visual Local Sources



Audio Sources



Data Sources



Control Path Modules

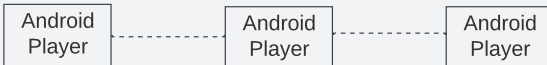
- Designer V6 - Video Wall Management Module
- Operator Management Module
- Personal Video Wall Module
- Digital Signage Module
- Dashboard Design / Panel Design Module
- Advanced API Connection Module
- Automation Module



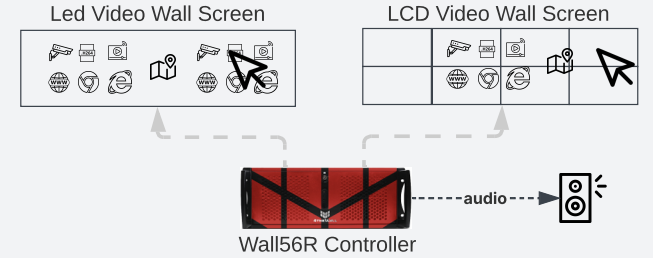
Automation & Touch Panel



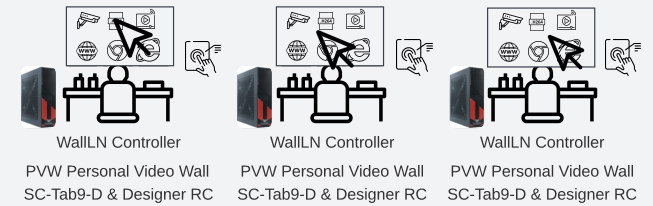
Digital Signage



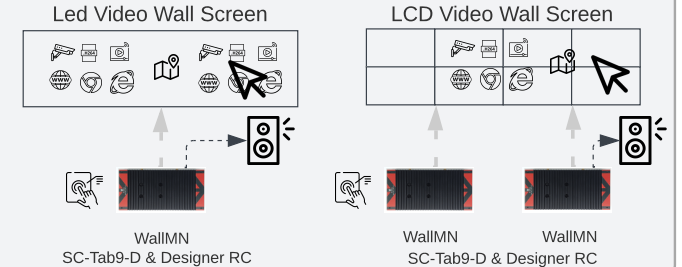
Hybrid Video Wall



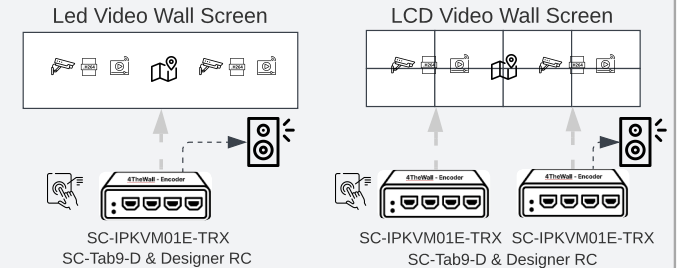
Operator Personal Video Wall



Distributed Video Wall



IPKVM Decoder Video Wall



Operator IPKVM Decoder

