



TOTAL CHANNEL

SYNCHRONIZE YOUR MEDIA UNIVERSE

Genius Video Wall Processors Product Guide


ZERO IRVING




Network based Video Wall Processor, Custom Aspect Scaler
& Media Player All- in-One.

What is the Genius Video Wall Processor?


Your all in one TV over IP solution for video wall processing and content management with virtually limitless pixel-mapping capabilities!




It's Total-Channel's Media Distribution and Content Management.



Integrated into the finest multi-display processor.



Providing custom layouts, in multiple locations, with full content control worldwide.



Effortlessly managed from the convenience of your laptop.



Description & Features



Total-Channel Introduces a new way of processing the image for multi -screen applications, and a new way of controlling the image. The Total-Channel Genius Video Wall Processor is processing reimagined, with modern Smart technology. Each Genius device is more cost-effective to buy, install, and operate, as you can now have multiple individuals producing content.

Managing and updating an entire network of Walls, from a laptop or mobile device. The cost of acquisition is lower, the cost of production drops, the cost of distribution of content goes away, and the overall cost of ownership goes down significantly over a traditional wall.

■ Features include:

- The Total-Channel Content Management platform, known as Mission Control, offers a full range of features including content storage, scheduling, playback, and web management.
- Total-Channel's Mission Control Portal allows remote management of content, scheduling, and more from anywhere, anytime.
- Ability to turn walls on and off on a schedule, change content with a keystroke, create billing reports, and run different playlists on various schedules.
- Store dozens if not hundreds of playlists and their content, playing them back on any schedule.
- Bring in internet-based content or streams in any playlist and create interactive content.
- Easily manage new advertising campaigns by dragging and dropping content into the web browser, scheduling playback times, and distributing it to one or many video walls instantly.
- Control times of day that a wall will accept new content, manage file sizes and bandwidth, and accept any common media format in the playlist.



Manage your content from **Anywhere!**

You can check the health status of any video wall, look at a number of performance parameters on the fly, and even restart the unit if necessary—all from the web portal. This includes the ability to see live snapshots of what is playing on the wall and even have the server notify you via email if any processor experiences issues such as power or connectivity problems. This allows you to quickly resolve issues and get the wall back in service faster.



Paired with impressive hardware:

- Our hardware is hand-built in Austin, Texas by a world-renowned graphics hardware partner.
- All Genius series units feature liquid-cooled processors, ensuring they run cool and quiet.
- Our high definition units, boast dual power supplies and hot swap drive bays, with 4K-capable outputs.
- Total-Channel's standard Genius Wall Players offer 4-20 4K outputs.
- All 4K models are based on the same hardware platform, with the difference being the number of cards installed for the desired number of outputs.
- If a unit needs to expand from 4 to 8 outputs, for example, it is simply a matter of adding another output card, which can be done in the field.
- All outputs are completely configurable through the software.



Cloud Hosting or On-Prem Options

All Genius Video Wall Processors include 3 or 5 years of Cloud Hosting and 3 to 5 years of onsite service and support. Customers can also choose to purchase their own Master Control Server hardware & software, or opt for software-only, and host the server themselves if cloud-based services are not acceptable.



What could be easier?

Why create and manage your video wall content on a separate system when you can have simplified and elegant management all from one interface? Use the same content, the same playlists, the same reporting features, and the same apps.



Genius Input Expandability!

Total Channel's Genius Wall delivers infinite input expandability—leaving competitors' outdated systems in the dust!

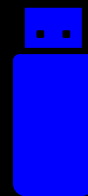
Total Channel's Genius Wall is the **only solution on the market that offers infinite input expandability** through a **single network input**. You can grow and scale your system without ever touching your hardware.

Competitors? They'll lock you into rigid systems with multiple hardwired inputs, forcing you to guess what your needs will be years from now and leaving you scrambling when it's time to expand.

Why risk that? With Total-Channel's Genius Wall, inputs can be encoded into H.264 streams—**meaning you can add more inputs whenever you need, with zero downtime and no expensive hardware upgrades**. This isn't just a feature; it's a game-changer.

The competition simply can't offer this level of flexibility and future-proofing. Their systems are designed for yesterday's needs, while Genius Wall is built for tomorrow's. **The question is simple: Do you want a system that will grow with you, or one that will hold you back?**

Make the smart choice. Total Channel's Genius Wall is ready to scale as you grow—giving you the power to expand without limits and stay ahead of the competition.



Hot Swap Drive Bays

Liquid Cooling

High Performance GPUs

Single Network Input/4-20 HDMI Outputs

Optical Audio Out



www.total-channel.com

Configuration is a snap!

1 First

Select the Master Control Server of your choice: Total-Channel Hosted, purchasing hardware and software from Total-Channel, or buying the software only to host the server on your own network—on-premises or in our cloud.

2 Second

Select the Genius Wall based on the number of outputs needed, and voila! You have a fully featured processor, custom aspect ratio scaler, and content manager all in one!

Genius Wall processors are available in multiple hardware configurations, based on the screens selected: LCD, LED or projection wall options.

Top Features

- 1 Enhanced Workflows:** Update content quickly using the browser interface; upload new files and update multiple video walls globally in under five minutes. Easily bring in any content type, create playlists, schedule play times, and generate advertising reports with drag-and-drop menus.
- 2 Multiple Zones of Content:** Create single images or break them into multiple zones with independent schedules. Content in one zone can trigger corresponding content in another zone.
- 3 Any Custom-Aspect Ratio:** Configure screens in any standard or custom aspect needed, in portrait or landscape mode.
- 4 Remote Content Storage:** All playlist content is stored on the unit itself, ensuring continuous playback even if the internet connection is lost.
- 5 Sophisticated System Monitoring:** Monitor your network remotely, in real time; view live screen snapshots, system health reports, and receive alerts for any issues, all from a single interface.
- 6 Video On Demand:** Viewers can interact with the wall using a mobile device to select content, get coupons, download way finding maps, and more.
- 7 Built-In Content Apps:** Includes weather, traffic, social media, finance apps, and more, with regular software updates adding new apps.
- 8 Unlimited H.264 Sources:** Store and recall thousands of H.264 streams, with various triggering methods for quick layout and source changes.
- 9 Ad Tracking & Reporting:** Customizable content tracking and reporting, with logs available in PDF or Excel formats. You can also monetize your video wall by selling advertising space to generate revenue.
- 10 Emergency Alerting:** Trigger emergency alerts manually or remotely with Total-Channel's Content Manager. Preload alerts for quick deployment or integrate with your existing alert system for instant activation.
- 11 Unprecedented Security:** Total-Channel products are produced, shipped, and serviced in the USA, meeting TAA requirements. Purchase a Master Control Server license and player licenses for a fully customer-owned, secure solution, ideal for any secure network.

Case Studies

Total-Channel is proud to highlight two compelling case studies of clients who have trusted us with their digital media needs. These success stories demonstrate the transformative impact of our products and the innovative ways our clients are achieving outstanding results.

FLDS Emergency Operations Center, Florida

This Emergency Operations Center, needed to be able to monitor up to 24 critical live streams, on a single screen with an easy way to change layouts for critical content monitoring. Using a single Genius Processor and custom tablet style touch pads which include Total-Channel player software, users are able to bring up specific preset layouts, for critical monitoring on the fly.

AT&T 5G Immersive Room US Headquarters, Dallas, Texas

In their Dallas complex AT&T is running a Genius Wall Processor in an immersive experience room, used by executives to sell their 5G services. This room uses 5 edge blended projectors, with a single Genius device, to push custom aspect ratio content to 3 walls. This install also includes Total-Channel media player licenses installed on touch tablets, for simple triggering of content locally, enhancing the customer's experience in a single touch. The Genius wall is also triggering both lighting and audio, to create a unique immersive sales experience.



Thank You!



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