

Never An Ordinary Experience



Let's grow your business

A Manufacturer of Innovative LED Displays in Ontario, California

Welcome to the Team.

Our Drive:

Each and every action must make an impact and push innovation. It must be useful.

Everything we do must add real benefits and overall value to our partners and their clients.

Our Vision:

We are a unified team committed to empowering people to grow and express themselves to the world.

Our Mission:

We are an innovative solutions provider forging a transparent and empowering path for our teams' growth and success.

Driven by our Core Values:

- innovation
- integrity
- passion
- teamwork
- respect
- responsibility
- excellence



Hello. Kon'nichiwa. Nín hão. Hola. Bonjour. Hallo. Ciao. Aloha.

My name is Chris Ma, CEO and Founder of Vantage LED. I started this company because I have a passion to keep this industry fresh and alive by creating unique innovations and impactful solutions.

I enjoy finding new synergies in everything we do alongside the people we meet and work with everyday. It's exciting and very inspiring.

I love our tagline, "Never An Ordinary Experience." It constantly reminds us to cherish the great moments while we push this dynamic industry forward.

I've worked hard to build a team of talented, passionate, creative, and dedicated people and partners who share the same vision. Let me introduce you to the extraordinary things we do.

Be A Part of Vantage LED.

An all-around design house located in Ontario, California,

Vantage LED designs, engineers, and manufactures revolutionary digital advertising solutions for the ever-changing LED display industry.

Become an exclusive Dealer Partner:

Allow our teams to work with you.

- Innovative and powerful products for your clients.
- Co-branded materials to instantly boost your brand and aid your sales team.
- Business incentives to help cash flow and better service to your clients.
- A true partner in your business who listens and adapts.

Experience the benefits as a Client using our LED displays:

Utilize the power of advertising with LED displays to spur action.

- On-premise custom advertising targets your potential customers everyday.
- Help your community with automated amber & severe weather alerts.
- 7 years of professional custom content creation to help grow your business.
- Peace of mind with a 7 year Parts Warranty & On-Site Parts Replacement Service.

Start a career at Vantage LED:

Let's work together to shake up this industry.

- Be part of a solid team environment.
- Challenge yourself and express your ideas.
- Better yourself and the people around you.
- Great benefits, Employment Stock Ownership Plan, and 401k.

Let's grow together.



"It didn't take long to realize that Chris and his team are genuine. The people and the products are completely different from other manufacturers. We feel like we have a business partner that feels privileged to work with us, and not the other way around."



"I am very excited that we were able to work so closely with our amazing dealer partner and Tanger Outlets to develop one of the most stunning LED Displays in the Southeast."

- Kyla Godden, Sales Team

We Got Your Back.

We stand shoulder to shoulder with our Dealer Partners to help grow their business. "We Got Your Back" is an intimate statement that has been our mantra since our inception in 2003. We knew by putting people and partners first, everything else would fall into place. We want the strength of our commitment to be delivered through the strength of our partners.

We have the most experienced Engineering and Research & Development Teams working with the newest technologies to continuously improve our hardware and software beyond the industry status quo.

The most attentive Sales Team ready and willing to help our dealer partners be knowledgeable and competitive by providing effective solutions for their clients.

A highly focused and motivated Production Team who constantly improve their systems to consistently meet our client's timelines while maintaining quality of build in a fun and positive atmosphere at our 150,000 sq ft facility in Ontario, California.

An outstanding and proactive Support Team who deliver concierge level service for our dealer partners and their clients. They're willing to come in early, stay late, and be on standby to make sure clients are happy.

A very active and engaging Marketing Team who deliver exciting, new, and fun ways to help dealer partners and their teams. They take the initiative to reach out and provide effective resources and tools to build their brand, credibility, and their business, while always listening to new ideas and tools they need to succeed.

We have the most passionate and accessible CEO in the industry who always takes on the challenge to innovate our products, our systems, and our offerings daily to help push our partners, drive our company, and push this industry forward.

We are all involved in your success. We are an ISO9001 Quality Management Certified and Employee Stock Ownership Corporation. All of us are passionate about delivering quality innovative displays, revolutionary solutions, and effective marketing & sales tools for an extraordinary experience.

Now, let's grow your business.



"Our production team takes pride in manufacturing top quality products. They work diligently everyday to build a product they are proud of; a product that our dealers and their customers are confident to drive their business to new levels."











"The Vantage LED team rocks! It's rare to meet a group of people so passionate, knowledgeable, experienced, and overall friendly in any business. They're a true pleasure to work with and an excellent partner to have on your path to success!"

- Deacon Wardlow & Team, Special Ops at Spectacular Media

Adding Value Beyond the Brand.

As an LED display owner, are you getting what you need?

This is the real value that is placed in front of you and what is critical to your operating and maintenance costs.

7 Year Comprehensive Parts Warranty

You are gaining 2 years compared to the 5 year industry standard.

7 year On-Site **Parts Replacement Service**

Compared to no service or added charges. Our warranty & Service is fully underwritten by an insurance company with no dispatch fees.

7 year Professional **Custom Content Creation**

Designers ready to personally serve you anytime online.

\$50 per animation x 5 per month x 12 months x 7 years = \$21,000

Lightning & Vandalism Protection

Covers your deductible up to \$5,000 for each.

Amber & Emergency Alerts

Fully integrated with FEMA, and once enabled, alerts automatically appear on your display.

Vantage	Others	Difference	Value Add
7	5	+2	40%
7	0	+7	\$21,000
7	0	+7	\$21,000
We have it	They don't	We care	\$10,000
Integrated	N/A	Saving A Life	Priceless
Adde Beyond th	ed Value e Brand	16 years additional service	\$52,000+ additional value



"You not only say it, but you do it...and it's great to be involved with this quality of innovation. We see the vision."



"We upgraded their sign with a new full color display, and the data solution we provided was completely custom. The Cannery already had a specific media system in place, so our team worked with them to develop a solution that was a natural fit." - Josie Salitrero, National Sales Manager



How We Protect Your Investment

And Make Sure It's Effective.



USA-Based Manufacturing & Support

Your display is completely designed, manufactured, and supported by our teams at our 150,000 sq ft facility in Ontario, California.



7 year Comprehensive Parts Warranty

Every part included with your display purchase is completely covered for 7 years from the power supplies to the wireless radios.



7 year On-Site Parts Replacement Service

During the Warranty Term, your LED sign is covered for on-site labor costs to remove, ship, or re-install part(s) needed to repair it.



Lightning & Vandalism Protection

It happens, and we help to ease this burden by providing financial reimbursement towards your insurance deductible.



7 year Custom Content Creation

Your messages are important, and we want them to look spectacular. You have online access to professional designers to help create custom content just for you.



Amber & Severe Weather Emergency Alerts

Your community is important, and your LED sign can be a safety & alert beacon. Simply enable Emergency Alerts, and they will display automatically when active.



Ultra Low Power Consumption

Our power supplies are coated to further protect the electronics, & our displays require 70% less power compared to leading manufacturers saving you money.



Display Upgradeability

With our FLEX Series, you can upgrade your display resolution or color in the future and stay ahead of the competition without having to buy a whole new display.

Together, with our partners... ICCOLOGIOS Welcome to the team.



Retail / Business

Outdoor digital signage is a proven way to increase sales and exposure for businesses. A large percentage of customers live or work near the businesses where they will spend money. Getting their attention with dynamic messages will be memorable and spur impulse sales. We provide a host of features that allow display owners to maximize their profits with their signage.

- **BETTER CONTENT = BETTER SALES:** Our SM Infinity™ cloud-based software integrates a professional content creation service, staffed by talented designers in the USA. Professional content makes the LED signs look amazing which attracts clients and increase business. We make sure clients look their best and leave them time to focus on their business and not the sign.
- **BRAND CONTROL:** You have complete control over the content and your company's image to the public, whether it's one location or one hundred. Cloud-based controls allow you to change your sign content when inspiration strikes, and to ensure your brand image is properly presented regardless of where you are.
- **DAYPARTING:** Advanced scheduling features also allow day-parting and automatic rotation of groups of media files for targeted campaigns. Different times call for different measures and messages, make sure your sign speaks to the morning, afternoon, and evening audience with targeted content.
- **CONDITIONAL MESSAGING:** We support a scheduling platform that allows focused advertising efforts with conditional messages that only play when select conditions are met. Cold in the morning? Make sure people know about your hot coffee or heater services. Hot in the afternoon? Showcase A/C units or cold drinks. Pre-schedule the conditions and content so your display does the extra work of matching content to the environment. Proactive, not reactive marketing!
- **SUPERIOR SUPPORT:** Our displays are fully supported by US-based factory technicians, along with a network of service professionals and staff across the country. We offer backend support to our dealer partners, or to the end users directly. Professional training and a culture of going the extra mile sets us apart from other display providers.
- FLEX Series ADAPTS TO YOUR NEEDS: We understand your business needs change rapidly, and the FLEX Series can go with the flow for whatever you need. Fast lead times, rugged engineering, upgradeable future proof technology which allows you to change the display to a tighter pitch or larger size if you business needs require something different down the road. We're here for whatever your needs are now or years down the line.

Education

An outdoor digital sign plays a significant factor in communicating events and information to students, parents and staff. Our displays can be programmed days, months and years in advance from multiple users in different departments. They also display real time weather, time and temperature updates through SM Infinity $^{\text{TM}}$.

- **EASY COLLABORATION:** Make sure everyone is updated on events, changes, and other critical information with 24/7 access to the sign using our cloud-based software. User permissions can be set to allow various groups (teachers, students, and event staff) access to the display. Final schedule control/authorization can be assigned to the principle, superintendent, or primary account manager.
- **COMMUNITY OUTREACH:** Access signs at multiple campuses from the cloud and manage multiple users by assigning custom permissions. Our platform was built to be a central communication hub for any staff, volunteers, or leadership associated with the signs. Make sure the community from students to families and community members are kept up-to-date with current events, and schedules providing transparent communication to the people in your area.
- AMBER ALERTS: Easily enable our automatic emergency and public alert service with no complicated settings or manual input which could cause delays in delivering critical information. Our displays link directly to FEMA's IPAWS (Integrated Public Alert Warning System) service to automatically display weather warnings, amber/silver alerts, and local/regional/state/federal safety alerts.
- **ULTRA DURABLE:** Our entire system is designed for durability and long life. Our cabinets are built to withstand all types of weather and avoid fading, scratching or cracking. Our LED modules are vandal resistant with high impact louvers over each pixel. The internal electronics are built to perform in a wide range of conditions and our power supplies are conformally coated to extend life and minimize maintenance.
- **SIMPLE SECURED COMMUNICATIONS:** Whether you need to use fiber optic, ethernet, wireless, or cellular data our system can flex to suit your location's needs. Connect with the sign over a secured network with user-defined and controlled access. Connect with the sign over a secured network with permission based and controlled access allowing various groups, teams, and individuals to collaborate on content and authorization/control granted through a primary sign manager/authority.



Church / Non-Profit

Communicating a unified and effective message to the community is the single most important aspect for virtually all non-profits, churches, and charities. This typically has to be done on a budget, and as efficiently as possible, due to limited resources and staff. We understand these unique needs and have tailored our displays to support organizations of all shapes and sizes.

- BETTER CONTENT = BETTER OUTREACH: The integrated content creation service in SM Infinity™ provides custom professional
 graphics for any organization; helping them stand out from the crowd with colorful and attention getting designs without the time
 and expense of a freelance graphic design team. Make sure your next event or fund-raising round gets the attention it deserves!
- **EASY ACCESS:** Manage schedules, content, and users all from the cloud 24/7 from anywhere/anytime (from any PC, tablet, or smartphone with web access). Update events and create content on the fly with our Doodle™ Online Message Editor that supports colorful text, graphics, backgrounds and even live data, like RSS Weather feeds.
- **COMMUNITY ALERTS:** Taking community support to the next level, our fully automatic emergency alert service links directly to FEMA's IPAWS (Integrated Public Alert Warning System) service for amber/silver alerts, severe weather, and local/regional/state/federal safety alerts. This feature automatically displays the alerts on your display and does not require any manual data entry which can cause delays or incorrect information.
- **BEST VALUE:** Quality outdoor signage is a financial investment, so it's critical to get the best value for the money. We pride ourselves on providing the best hardware/software in the industry, and the most power efficient systems on the market; saving money on electricity and maintenance. Our systems can easily be upgraded to the next tightest pitch, bigger size, or newer technology for a fraction of the initial investment to meet your organizations needs as you grow and change.
- **WORRY FREE:** Our support team is US-based and ready to go the extra mile help customers with any needs including training, hardware setup, and troubleshooting. The product is backed by a full comprehensive warranty. Parts are stocked and inventoried for long term support and service.

Government / Public Entities

Reliable communication is key for any government office, military installation, municipality, or public entity. We provide displays that will ensure the long term secure operation at an affordable price. Our hardware and software continues to meet or exceed bid specifications across the nation.

- PROVEN LEADER: Our product is engineered and designed to last with high quality components and standardized manufacturing
 processes. Our REVOLUTION™ Control system utilizes solid state technology to increase data storage, speed, and longevity, and
 features plug-n-play installation, cloud storage & backup, and stronger security compared to Windows-based controllers.
- **AMERICAN BUILT:** The 150,000 square foot facility in Ontario, California is home to our talented team of engineers, designers, production crew, administration, support, and sales staff. We take pride in our product and maintain direct control by engineering and manufacturing in the US.
- **WE PUT YOU IN CONTROL:** Choose the best control option for any installation. We offer cloud-based anywhere/anytime access control through SM Infinity, or local software control through our LightSpeed™ software.
- AMBER ALERTS: Signs that use our cloud-based control option link directly to FEMA's IPAWS (Integrated Public Alert Warning System) for weather warnings, amber/silver alerts, and local/regional/state/federal safety and public alerts. This feature automatically displays the alerts on your display and does not require any manual data entry which can cause delays or incorrect information.
- **ULTRA DURABLE GUARANTEED:** Our entire system is designed for durability and long life. Our cabinets are built to withstand all types of weather and avoid fading, scratching or cracking. Our LED modules are vandal resistant with high impact louvers over each pixel. The internal electronics are built to perform in a wide range of conditions and our power supplies are conformally coated to extend life and minimize maintenance. The system is backed by the industry's most comprehensive parts and on-site service
- SIMPLE SECURED COMMUNICATIONS: Whether you need to use fiber optic, ethernet, wireless, or cellular data our system can flex to suit your location's needs. Connect with the sign over a secured network with user-defined and controlled access allowing various groups, teams, and individuals to collaborate on content and authorization/control granted through a primary sign manager/authority.



Medical

Medical facilities, doctors, nurses, and professionals provide essential services to the community. From large hospitals, to small private practices, outdoor digital signage helps to support these organizations to promote health awareness and life-saving services for the community.

- **BE A BIGGER PART OF THE COMMUNITY:** Keeping up with important health and preventative measures is not always top of mind for the public. We have a proven track record of reliability and functionality for healthcare organizations across the country using our cloud-based SM Infinity™ software. Better outreach to the community means more patients who can take advantage of services they may have not otherwise known.
- **EASY IMMEDIATE ACCESS:** Getting important information out to the public quickly and clearly is critical. All of our software options support immediate messaging at anytime, and our cloud-based software supports communications from anywhere in the world via the internet 24/7. Additionally, it supports a fully automatic emergency alert system tied directly to FEMA's IPAWS (Integrated Public Alert Warning System) service for amber/silver alerts, severe weather, and local/regional/state/federal safety alerts. This feature automatically displays the alerts and does not require any manual data entry which can cause delays or incorrect information.
- **SIMPLE SECURED COMMUNICATIONS:** Whether you need to use fiber optic, ethernet, wireless, or cellular data our system can flex to suit your location's needs. Connect with the sign over a secured network with permission based and controlled access allowing individuals to collaborate on content.
- FLEX Series ADAPTS TO YOUR NEEDS: We understand your business needs change rapidly, and the FLEX Series can go with the flow for whatever you need. Fast lead times, rugged engineering, upgradeable future proofed technology which allows you to change the display to a tighter pitch or larger size if your business needs require something different down the road. We're here for whatever your needs are now or years down the line.

Events and Venues

Stadiums, arenas, sports venues, and special events all require a reliable and robust high performance product. Whether it's pre-programmed content, live video, or advertisements, the image must be crisp, clear, fluid and spectacular to rally all audiences. We offer a full line of reliable solutions for any application.

- **HIGH QUALITY PERFORMANCE:** Your content is only as good as the hardware that drives it. Our hardware supports high resolution video while maintaining a high refresh rate and industry leading FPS/scan lines. We use high quality LEDs that provide a bright picture day or night, with specialized louvers that increase the color contrast, saturation, and vibrancy of the display.
- **VIRTUAL RESOLUTION:** Our product utilizes virtual pixel technology to enhance the quality of the display image by natively accepting content at double the resolution. The extra content data is then used to smooth curves by sharing pixels on the display, providing a cleaner and enhanced image or more fluid video.
- LIVE VIDEO AND STAGED CONTENT: Our turn key live video solution allows operators to push live video and audio from any source to the display. Using our LightSpeed Live™ software, they can also switch between the live video sources, DVD/Blu-ray sources, and pre-created media with a simple click of the mouse. LightSpeed Live™ also supports scheduling for pre-and-post event content.
- FLEX Series ADAPTS TO YOUR NEEDS: We offer pitches for any viewing application, from super tight 5mm displays to larger 10-24mm displays in our standard product line. We also offer modular solutions for live stage or mobile display solutions. All with our guaranteed low-power engineering. While we provide multiple software options like SM Infinity™ for cloud-based control, LightSpeed™ series for local event, advertising, and scheduling, we can also provide custom software solutions with our talented development team.
- **DELIVER YOUR BEST:** We've worked with some of the largest event producers in the world to build and deliver outdoor digital signage solutions that inspire and capture the audience. Bring us your idea, and we'll make it a spectacular reality.
- **RELIABILITY:** Add additional redundancies to the system, including power, data, communications, and control systems with full diagnostics and redundant components to ensure the show goes on without a hitch.

Billboard Solutions: Build Your Way

Customize the Build, Options, and Software for Your Billboard.

Your Build: Our FLEX-V LED modules are 9.45" x 9.45" (240mm x 240mm) to accommodate your desired billboard size, and they are all universal in size for all the available pitches (12, 16, 20, and 24mm) (See Common Sizes below).

Your Options: Further ensure uptime and no risk of lost revenue with optional component redundancies which kick on if certain components fail, and then maintenance can be schedule without urgency.

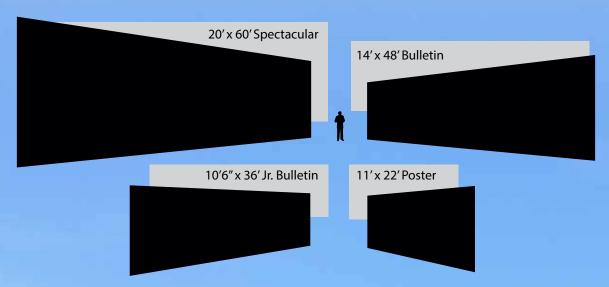
Your Software: Cloud-based software solution allows complete freedom to access & control your billboard(s) anytime, anywhere, from any device. Our In-House software team can also develop custom applications.

With innovative features that set you apart from competition:

- Ultra Low Power: requiring 70% less power when compared to leading manufacturers.
- Conformal Coated Power Supplies: protect against internal corrosion & oxidation increasing life by 25%.
- Enhanced Virtual Resolution: resulting in smoother graphics and more fluid video.
- Insured 7 yr Parts Warranty & 7 yr On-Site Parts Replacement Service: for complete peace of mind.
- **Remote Diagnostics:** Text & Email alerts on components, communication loss, or power failure.
- Cloud-based Software: for complete ease of access, ad control, & reporting of your advertising assets.

Common Sizes:

Our modular design allows for any custom size, but here are some common sizes.



Spectacular (20' x 60') 12mm (500 x 1520 matrix) 16mm (375 x 1140 matrix) 20mm (300 x 912 matrix) 24mm (250 x 760 matrix)

Bulletin (14' x 48') 12mm (360 x 1220 matrix) 16mm (270 x 915 matrix) 20mm (216 x 732 matrix) 24mm (180 x 610 matrix) **Jr. Bulletin** (10'-6" x 36') 12mm (260 x 920 matrix) 16mm (195 x 690 matrix) 20mm (156 x 552 matrix)

24mm (130 x 460 matrix)

Poster (11' x22') 12m (280 x 560 matrix) 16mm (210 x 420 matrix) 20mm (168 x 336 matrix) 24mm (140 x 280 matrix)

*All dimensions shown Height x Width



"In digital billboard applications, you cannot have downtime, because it simply means no revenue. We strongly believe it is a requirement to eliminate the risk by ensuring redundancy. It was our mission to design and engineer the redundant system solution to maximize revenue for our billboard customers."

- Yuusuke Arimura, Chief Operating Officer



WatchESPN APP AVAILABLE WITH XFINITY:

1-800-XFINITY



Richmond Hill, GA

Traditional Full Color Series 20mm - 144 x 448 / 10′ x 30′ / 65K Pixels



"We helped them expand their radio network into the digital billboard market. 24/7 access to make immediate changes and reports through SM Infinity was a key feature. We continue to provide boards as they grow in their market."

- Jeff Nowling, Technical Support Manager



Billboard Solutions: Advertise Your Way

Maximize Display Revenue, Large or Small, Day or Night.

SM Infinity™ Cloud-Based Billboard Software provides an easy to use 100% cloud-based solution giving you the power to **manage your entire network of billboards** on your own terms, anytime, anywhere, from any device.



Request Professional Ad Content from your PC at the office





Access All Features 24/7: 100% cloud-based system allows access to all features anytime, anywhere.

- Create and Modify all Schedules on Any Display.
- Upload, Modify, and Manage all Content Files.
- Verify Online Status, Remote Diagnostics (with Alerts), and Manage all Displays.

Flexible Schedules: Advertise YOUR way with our fully customizable playlist system.

- Create Playlists for Groups, Campaigns, Slots, Contracts...Anything!
- Play Single Ads from a Group, or Play Back-to-Back.
- Create Playlists for Multiple Displays and Display Groups at Once.

Flexible Reports: Get play reports and save the data anytime, anywhere.

- Easy Export to CSV, PDF, or Word.
- Customize and Save Data according to Your Unique Needs.

Custom Ad Creation: Graphic Designers standing by online.

- Request, Revise, and Approve Ad Content inside SM Infinity™.
- Provided by a Professional Outdoor Advertising Design Team.
- Custom Ad Content Options Increase Your Value to Advertisers.



Puerto Rico

Account Protection

All SM Infinity accounts are password protected immediately upon creation.

Session Control

SM Infinity employs session control to automatically lockout users who are inactive for a period of time.

Secure Encryption

SM Infinity user activity and logins are securely encrypted using HTTPS protocol.

Display Protection

An SM Infinity powered display is accessed only by our protected and secure SM Infinity servers.

Data Backup

The SM Infinity servers are backed up regularly to maximize up-time and the integrity of the system.

Cloud Access

24/7 management is a security benefit giving administrators the ability to manage the displays quickly and effectively.



Schedule

- ▶ Infinite Organization: Configure playlists for groups, slots, clients, time of day, contracts, etc.
- Ad Rotation Options: Rotate a single ad from a playlist, or play them all back to back. You can even randomize content and mix and match playlists.
- ► Multiple Display Link: Schedule linked playlists on multiple displays in one shot. Changes to one, will change all displays automatically.
- **Display Grouping:** Schedule entire customizable groups of displays at once. Multiple displays can be in multiple groups.

Report

- **Easy Access:** Generate reports day or night directly from the web portal. Stats like play count, play times, percentage of occupancy and scheduled playtime are included.
 - **Schedule Report:** Current or future ad playback schedule data.
 - Actual Play Logs: Direct playback data from the display for accurate proof of play reports.
 - **Proof of Performance Report:** Scheduled data vs playback data, reports discrepancies.
- Customize and Export: Choose custom dates, and save to CSV for easy third party importing, or simply save as a PDF or Word Document.

Design

- ► Integrated Professional Design Service: Request, review, and approve custom content created by our professional design team directly from the portal. Good content means more exposure and increased revenue.
- ➤ Simple and Powerful Editor: Create custom content on the fly with Doodle Editor. Schedule last minute ads, resize pictures, incorporate time/temp and RSS feeds. Easily apply animated effects, or keep your content static.



Connect

- ► **Easy Site Communications:** We don't require public IP addresses, custom software installation or restrictive network configurations. Our system works with a standard Internet connection and minimal configuration. Communications to our servers are secured using the latest protocols and technology.
- ➤ Automatic Emergency Alerts: Provided directly from FEMA's I.P.A.W.S. system. Includes local and national amber alerts, weather, and public safety alerts played automatically without delay, between your existing content, stopping only after the alert period is over.
- Critical Notifications: Receive notifications including offline displays and playlist expiration, empowering you to address any situation as soon as possible.
- ► **Remote Support:** SM Infinity is fully supported by our partners and internal staff. We can assist with most issues via our remote support system without the cost of personnel and equipment onsite.

Administer

- ► **Multi-User Support:** Add, modify, and delete users on your account as your team grows and changes. Limit user's access to specific displays or any section of SM Infinity.
- ▶ Webcam and Maps: Access your display's webcams or Google map location with links directly in the SM Infinity portal.
- ▶ **Brightness Adjustment:** Manually adjust the brightness of your display 24/7, or blank it out completely during regulated hours to meet local or state requirements.
- ➤ **Customize Your Experience:** Have a unique idea or need? SM Infinity is developed in-house by a talented team of developers and professionals in the USA. We work with our partners and customers closely to develop, update, and customize SM Infinity to their unique needs.

Scoreboards & Live Events

From the perfectly manicured turf of the High School Football Stadium to the glistening hardwoods of the Basketball Gymnasium floor, families, coaches, players, and students share the drama, excitement, and the achievement athletic events deliver.

Whether in the rural outskirts of Montgomery, AL, the suburbs of Dallas, TX, or in downtown Atlanta, GA, reveal the pride, the passion, and the support of national sponsors and community advertisers with a dynamic & interactive video scoreboard.

But we know it's more than just a scoreboard.

This Is Family. This Is Home.



Rally Your Fans & Generate Revenue:

- Intuitive, powerful, and student-friendly software developed by our in-house software team.
- Quick action Hot Buttons with preview for instant action messages (Touchdown!, It's Good!).
- Never miss an ad. Advertiser schedule resumes play after Action Messages. It does not reset.
- Scalable system that can adapt to your unique needs and allow for customized solutions.
- Easily integrate other sports: Track & Field, Soccer, Field Hockey, Lacrosse.
- Show instant replays of amazing catches, tackles, field goals, and more.
- Put your players in lights with pictures, profiles, and stats.
- Generate revenue by displaying local advertisers and sponsor support.
- Get peace of mind with a 7 yr Parts Warranty and 7 yr On-Site Parts Replacement Service.
- Refresh your content every year from our Custom Interactive Content service.

We design everything from the ground up.

What solution does your family need?



Garrett-Harrison Stadium, Phenix City, AL



Piqua High School, Piqua, OH



McConnell-Talbert Stadium, Warner Robins, GA



Georgetown College, Georgetown, KY



Lawrenceburg HS, Lawrenceburg, IN



"My grandmother believes in me so much. She donated money

- Student from Lee County High School, Leesburg, GA

to specifically help our school get instant replay on our new scoreboard. During our final game of the year, she got to see me kick a field goal

which played on our scoreboard over & over again. I'll never forget that moment."

Slippery Rock University, Slippery Rock, PA

YOUR FAMILY. YOUR HOME.

YOUR SCOREBOARD.



Scoreboards: Virtual

Up Your Game with complete flexibility of an interactive virtual scoreboard.

You have a clean slate to create any type of scoreboard you desire to include the score, time, stats, advertisers & sponsors as well as interactive live video. Map out custom templates for Football, Soccer, Baseball, Basketball, Field Hockey, Lacrosse, and more...

Make a big...make a COLOSSAL impression.

- In-House software development team for proven solutions and custom applications.
- Scalable system for future updates and new applications.
- Multiple scoreboard templates provided.
- Custom Interactive Content available for Instant Action messages and more.
- Controlled by LightSpeed LIVE with flexible access from your mobile tablet.



Saint Leo University, St. Leo, FL FLEX-V Full Color Series 12mm – 200 x 360 / 7'-11" x 14'-2" / 72K Pixels



Actual screenshot of the scoreboard

- Interactive buttons for instant scoring
- Hot Buttons available for Instant Action Messages
- Extra screenshot showing a template for Volleyball









Screenshots of the scoreboard capabilities

A. Full screen for video or instant replay
B. Dual screen with scoring stats

- C. Full screen advertisement
 D. Dual screen with scoring stats
- b. Dual scient Will scotling so



"After over 50 years, we've developed a reputation of having the highest quality products and superior customer service, so we're very selective with which company we choose to align ourselves. Vantage LED has proven to be a perfect fit, not only with their standard of quality in product and service, but also in their core values."

LightSpeed LIVE™ Event Software brings any venue to life by commanding live video, advertisements, and instant action content to your video display with a simple and open interface with exclusive features like:

ACTION ON THE DISPLAY...Establish different layouts (or zones) to display the desired content, like live camera action and advertisements at the same time. Simply plug in a Blu-ray/DVD player to display videos, movies, or advertisements.

INTEGRATED SCALER CONTROLS...(a separate component that scales input from cameras, video players, etc to fit on your display). All interactive buttons for the Scaler have been implemented into the software, which allows accurate and quicker control; the user only needs to point and click on the computer screen.

REVENUE GENERATING ADVERTISEMENTS...The Sign Scheduler allows the customer to create a playlist of advertisements that can be scheduled for Pre-Game, During the Game, and Post Game.

INSTANT ACTION WITH HOT BUTTONS...Hot Buttons on the screen shows recognizable thumbnails of all quick action content, like "TOUCHDOWN!" or "ITS GOOD!", which are easily initiated with one click. It interrupts the current schedule, but once completed, **the schedule resumes in the same spot** instead of going back to the top of the playlist which results in missed advertisements.





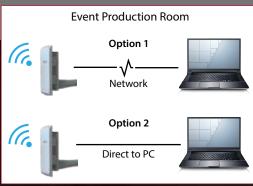


GO LOCAL



- Keep it simple with direct wireless connection.
- Connect directly or through your network.
- Display AVIs for videos or advertisements.
- Easily upgrade to GO LIVE to incorporate cameras, media sources, & instant replay.

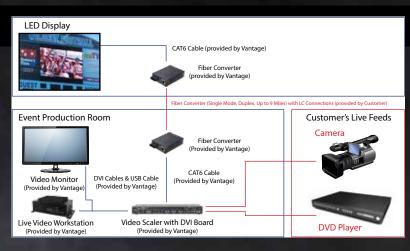




GO LIVE



- Show instant replays of amazing plays.
- Easily integrate new tools, like a TriCaster for slow motion replays, or Wireless HD Cameras.
- Software integrated Scaler for easy operation.
- Connect up to 4 cameras, media ports for video from DVD/Blu-ray (USB/HDMI), or live stream from Satellite/Cable/TV...with audio... how about movie night?



National Accounts & Corporate Solutions

Integrate digital solutions to increase your business

We have a more unique and comprehensive approach

for serving national and corporate accounts from a complete turnkey national rollout to cloud-based control of all your assets. Anytime. Anywhere.

Consistent Future-Proof Build

We've streamlined our display build to scale with your future.

- We can upgrade displays to full color or a higher resolution.
- Our cloud-based software is always up-to-date, and we can add custom functionality to suit your growing needs.

Outdoor and Indoor Integration

- Our cloud-based software can control all your outdoor as well as vour indoor LCD.

Custom Ad Creation & Control

- Our cloud-based software gives you secure access to all your assets for uploading and scheduling your custom content.
- You also have access to professional designers standing by online to request custom ad content.

- Kwik Kar

Complete USA-based Support & Maintenance

- Superior USA-based support and tech teams in California.
- IT Integration & On-Site support.
- Comprehensive parts warranty and on-site service programs.

Clients Include:

- 7-Eleven
- ACE Hardware - Lee's Chicken
- Motel 6 - AMC Theaters
- McDonald's - Burger King
- Schumacher Homes - Dairy Queen
- Shell Oil Company - Denny's
- Domino's - Subway
- Extra Space Storage - Tanger Outlets
- Pizza Hut - IKEA











Indoor FLEX HD Series

The Indoor FLEX HD Series is built with high performance and simplicity in mind.

We understand that ease of install and attention to time is key when it comes to permanent installation or mobility for staging and live events. We've engineered a product that you'll love to work with and show off.

Permanent Indoor Installations

- Superior high contrast and increased depth of color spectrum.
- High definition resolution, frame rate, and refresh rate for amazing content.
- Energy-efficient design for low power consumption and cost savings.
- Lightweight construction provides many installation options.
- Cloud-based software for remote access anytime, anywhere, from any device.
- Upload ad content to network of displays, create/edit schedules, and check status.

Mobile Staging and Events

- Quick connect system for fast setup and easy service.
- Die-cast aluminum frames with solid structure support.
- Easy assembly/disassembly for simple storing between events.
- Powerful LightSpeed LIVE Event Software platform.
- Integrated video scaler for accurate and quicker control.
- Plug in video players or live camera equipment to capture all the action.
- Hot Action buttons for quick and explosive content.

The Ultimate in High Definition to produce the WOW factor:

- Universal module size 9.45" x 9.45" (240mm x 240mm) available in ultra high resolutions.

Resolution (Pitch)	10mm	8mm	6mm	5mm	4mm	3mm	2mm	1mm
Module Matrix (Building Block)	24 x 24	30 x 30	40 x 40	48 x 48	60 x 60	80 x 80	120 x 120	240 x 240
Pixels Per Sq Foot (Density)	929	1,452	2,581	3,716	5,806	10,323	23,226	92,903









SM Infinity[™]

cloudware for LED display advertising



We Believe Simple Works.

You and Your Team can Control your LED Sign securely from any Device. Anytime. Anywhere.



Schedule



What is it? SM Infinity™ is 100% cloud-based software.

It resides on a central server that you can access through a secure Internet connection. There is no software to load, no PC to sync with, no CDs to keep track of, and you're always using the latest version, plus all your content is organized securely online and backed up daily.

How do luse it? Web Access or Mobile

Simply login securely at www.sminfinity.com and start controlling the LED sign from any PC or Mac connected to the Internet, or simply launch the app on an iPad or iPad mini, or use any other mobile tablet via its Internet browser.

Is it better? Compared to local software

Most operating software is restricted to one computer via a verification code or a dongle key and demands you learn the software, be the graphic artist, and send messages with little to no help. Our software allows multiple permission-based users who can operate the sign from any computer.

What makes it different? Personalized Content Creation

SM Infinity[™] is the only software to have the personal attention of professional graphic designers standing by via an integrated request form to create custom dynamic content specifically for your LED sign, or use Doodle[™], our online message editor for a quick message, or upload any graphics/animations you created.





Good vs Bad Content The benefits of content creation from SM Infinity™

Digital signage can quickly become ineffective if the content is not designed right,

because well-designed content means a better brand image which converts into more traffic and more sales; a more positive return on investment from the LED sign...and a good referral for the dealer.

There is a lot that goes into selecting the colors, animations, fonts, and images that work best for your display.

Effective and dynamic content consists of:

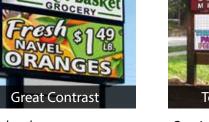
PROPER SIZE: Content created specifically for the LED display matrix vs stretching out stock graphics.

AD COPY: Concise and effective copy that quickly conveys the message or a call to action.

COLORS: Pleasing and complementary colors along with subtle motion to attract attention.







Too Much Copy Easy to Read

Vibrant colors that contrast well makes the message more readable. A more enticing product photo evokes a more positive response.

Concise copy and contrasting colors makes the message more eye-catching.



Doodle™: Online Message Editor

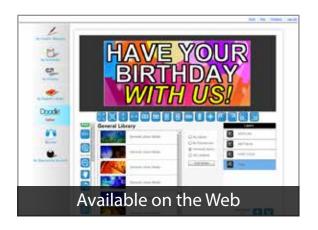
Anytime, Anywhere message creation gives you a quick message that can deliver quick results.



Online Message Editor

With Doodle[™] you can create messages on the fly from the Web or with an iPad.

You can create & send custom messages fast, like a quick birthday, an instant sale, or newly arrived inventory. You can pick a background color or import an image, overlay text, add some animated effects, and send it instantly to your LED sign. Anytime. Anywhere.





- **LED Sign Friendly:** Standard fonts designed to maximize readability are included, along with text outline settings to make the message pop.
- Overlay Text on Images or Video: Grab attention with colorful background images and moving video files to support the message and turn heads.
- **RSS Weather and News Feeds:** Keep the content relevant with live data from the web using RSS technology.
- **Easy to Use Animated Effects:** Enhance the message with movement using our easy to use animated effects feature.
- Advanced Effects and Blend Modes Available: Additional effects and image blending features are available to add even more dynamic power to the content.

Anytime. Anywhere. ... Truly.

Download the SM Infinity™ App for the iPad and have complete flexibility to control your LED Sign.

Do you have an app for that?

An amazing "Yes." The SM Infinity™ App was built to give you complete control of your LED sign while fitting naturally in your routine. No longer are you locked down to an office desktop, or opening your laptop, or having to wait to complete any task regarding your on-premise advertising. You have control anytime from anywhere.

- · Intuitive Controls: Fast and easy operation with your fingers from any iPad or iPad Mini.
- **Powerful Conditional Messaging:** Pre-program your sign to respond to changes in weather, temperature, or other events to automatically change content.
- · RSS Feeds: Use standard weather reports or add a custom feed for live updates on your sign.
- **Easy Content Creation Tool:** With Doodle™ Online Message Editor, use complex features through a simple interface to deliver concise and quick content.
- **IPAWS:** Integrated Public Alert Warning System is built-in to our app allowing automated emergency notifications. When enabled, the display will automatically show emergency weather, amber/silver, local/regional/stage/federal alerts. No manual entry required so the alerts reach the community in a timely and effective manner.
- **Custom Content Services:** Need help making the display look amazing? Lean on our professional content designers for assistance through the graphic request portal built-in to the app.
- Voice Dictation: No need to type in graphic requests. Press record and dictate whatever you want your message to show.
- Fast Display Info: Check the status of your display(s) quickly and easily.





The Cloud is Beautiful.

Everytime you login, you are always using the latest version, and the best features made possible by being in the cloud.

Reporting

Knowing what, when, and how long each advertisement plays on the display is critical information for anyone using an LED sign for third party advertising. SM Infinity™ can generate multiple types of reports, all exportable to CSV file format for easy customization with your existing billing and proof of performance practices.





Automated Amber Alerts

Our Emergency Alert System is tied directly to IPAWS (Integrated Public Alert & Warning System) managed by FEMA and helps you support the community and local municipalities. Enable this feature with a few clicks, and your LED sign will automatically display all alerts including severe weather, amber alerts, and national & local public safety alerts. (www.fema.gov/IPAWS)

Conditional Messaging & RSS Feeds

Stay ahead of the competition with live RSS feeds for news and weather, or use our Conditional Messaging feature to trigger specific content-based messages for conditions, like temperature or chance of rain, to spur impulse purchases.

For example, if the temperature rises above 90°, your display will automatically advertise cold drinks.



SM Infinity Cloudware vs. Others

FEATURES

SM Infinity"

cloudware for LED display advertising



OTHERS

NOT AVAILABLE or RESTRICTIVE

- No Web Portal or App.

- Limited features

- Complicated to Use - Security Quality Varies

THIRD PARTY or GENERIC

- Non-Specialized Designers

- Longer Turnaround Time

Cloud-Based **Complete Access 24/7**

Professional

Automatic

Targeted

Scheduling

Content Creation

Emergency Alerts

ANYTIME, ANYWHERE, ANY FEATURE

- PC, Mac, iPad App, or Mobile Device
- All Content and Features Online
- Fresh, Easy to Use Features
- Secure User Access

FULLY INTEGRATED SERVICE

- Completely Integrated within SM Infinity
- 7 Years INCLUDED w/ Vantage LED
- Completely Custom
- Designers Specialized in LED Display Signage
- Average Turnaround in 1-2 Days

DIRECT FROM THE SOURCE

- Fully Automatic Alerts
- Tied Directly to IPAWS Database
- Amber, Silver, Weather, Public Safety Alerts and More.

THIRD PARTY or NOT AVAILABLE

- Non-Integrated Third Party service

- Generic Content Sometimes Offered

- Extra Cost or Not Available at All

- Manual Entry or Service Required
- Third Party App Dependent - Often Not Available At All

BULLSEYE, DONE YOUR WAY - Easy Open Interface

- Name, Target, Organize Your Way
- Schedule Across Multiple Displays
- Schedule to Custom Display Groups

RESTRICTED

- Complicated, Limited Options
- One Size Fits All Approach
- Multiple Display Features Vary
- Limited Group Options

Multiple **Users**

UNLIMITED and CUSTOMIZABLE

- Unlimited Users
- Fully Customizable Permissions
- Manage Access to Features and Displays

LIMITED or NOT AVAILABLE

- Limited Users, Extra Cost for More
- Permissions Limited if Available
- Limited Options for User Access

Conditional Messages

TRIGGER SPECIFIC MESSAGES

- Trigger Specific Content-Related Messages based on Temperature and Precipitation to spur impulse purchases
- Multiple Conditions Supported

THIRD PARTY or NOT AVAILABLE

- Options Dependent on a Third Party
- Limited or Single Conditions

SLOW or NOT AVAILABLE

Automatic **Updates**

Live Data

INFINITE IMPROVEMENTS

- Updates Provided Automatically
- Quick Response to User Feedback

INCLUDED & READY TO GO

- Built-In RSS Weather Feeds
- Custom RSS Feeds Supported

EXTRA COST or NOT AVAILABLE

- Manual Updates for Local Software

- Slow Outsourced Development

- Extra Cost for RSS Feeds
- Customized Features Only
- 3rd Party or Manual Emergency Alerts

- Automatic Emergency Alerts





LightSpeed™ Media Software is our local operating software that loads directly on the PC operating the LED display (*no Internet required*). This powerful yet simple software provides a host of tools to simply create, schedule, and deliver content to your LED display. LightSpeed™ was developed to be the best of both worlds: user-friendly enough for the small business owner and feature-rich enough for the tech savvy marketing guru. By design, it is a breeze to install, and you can start sending messages to your display within minutes. You can:

- · Use all Windows fonts & International languages.
- · Schedule messages from specific dates, individual days to years in advance.
- · Use our Hot Button feature to send out a quick or important message within seconds.
- · Overlay text, time, or temperature over a graphic or video instantly.
- · Place the Time & Temperature function anywhere on the display.
- · Upload pre-created graphics or videos made from any third party software, like Adobe Photoshop.

LightSpeed™ LIVE Event Software includes our live video option for Scoreboards or Live Events with additional features. See page 22.



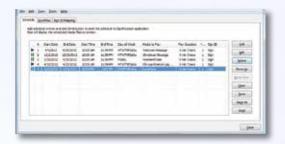
Drag and Drop

Picture or Video straight into the scheduler



Easy to Navigate User Interface

All in One combined Scheduler & Content Creator



Edit Multiple Schedule Entries

Play or Pause, Date & Time, Duration



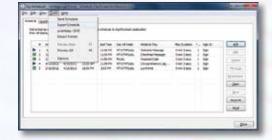
Vast Array of File Types

(jpg, bmp, mov, swf, mpg, wmv, avi)



Frame Extractor

Extract still images from a movie to use as backgrounds for your messages.



Complete Schedule Export

Versatility & portability to work away from the display. Import the schedule to the sending computer for final send

Live Video

(Optional. See page 22 for LightSpeed LIVE)

The Building Blocks of Your Outdoor Solution.

Engineered to serve. Whether you are starting from scratch with a new LED display or working with your existing display(s) for continuity, we're tooled up to serve you. Our streamlined build is the same, but we offer different building blocks.

Let's Build Your Display.

Offering you our premium & most flexible series:



FLEX-V Series

Our smallest module (or building block) to build your most versatile display within .62 sq feet. Resolutions available: 5, 6, 8, 10, 12, 16, 20, and 24mm. Available in Full Color or Grayscale (red or amber).



.62 sq ft Building Block

Or, match your existing displays for continuity:



FLEX-W Series

Build your display within 1 sq feet. Resolutions available: 10.16, 12.7, 16.93, 19.05, and 25.4mm. Available in Full Color only.



1 sq ft Building Block



FLEX-D Series

Build your display within 1.35 sq feet. Resolutions available: 15.85, 19.81, and 26.41mm. Available in Full Color only.



1.35 sq ft Building Block



"Not only does Vantage set out to develop a great product with powerful software and support, but they set out to make it their mission to know and understand every dealer partner they work with; that's the culture at Vantage LED. They bring you in as part of the team to a greater degree than I have experienced with any other supplier."



Mayfield Village, Mayfield, OH

FLEX-V Full Color Series, 6mm – 200 x 400 / 4-0" x 7'-11" / 80K Pixels

"The client bought a brand new LED display that helped revitalize their community. They can reach out with their unique services as well as display public announcements and helpful weather-amber alerts for safety."

- Bruce Murray, Sales Team

Specifications of our Building Blocks.

Your dealer partner can help walk you through this process of understanding and building your display.

FLEX-V Series: (shown with typical viewing distances for each Resolution)

Viewing Distance	Around 50ft (good for walking traffic)			50 - 100ft		100 - 250ft		250+ ft
Resolution (Pitch)	5mm	6mm	8mm	10mm	12mm	16mm	20mm	24mm
Module Matrix (Building Block)	48 x 48	40 x 40	30 x 30	24 x 24	20 x 20	15 x 15	12 x 12	10 x 10
Pixels Per Sq Foot (Density)	3,716	2,581	1,452	929	645	363	232	161
Dimensions (Per Module)	9.45" x 9.45"	9.45" x 9.45"	9.45" x 9.45"	9.45" x 9.45"	9.45" x 9.45"	9.45" x 9.45"	9.45" x 9.45"	9.45" x 9.45"

FLEX-W Series: (full color only)

Resolution (Pitch)	10.16mm	12.7mm	16.93mm	19.05mm	25.4mm
Module Matrix (Building Block)	30 x 30	24 x 24	18 x 18	16 x 16	12 x 12
Pixels Per Sq Foot (Density)	900	576	324	256	144
Dimensions (Per Module)	12"x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"

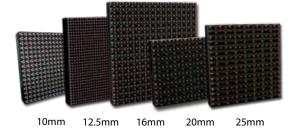
FLEX-D Series: (full color only)

15.85mm	19.81mm	26.41mm		
20 x 25	16 x 20	12 x 15		
370	237	133		
12.48" x 15.6"	12.48" x 15.6"	12.48" x 15.6"		

Traditional Series:

Building blocks based on 8 pixels. Available in Full Color or Grayscale (red or amber).

Resolution (Pitch)	10mm	12.5mm	16mm	20mm	25mm
Module Matrix (Building Block)	16 x 32	16 x 16	16 x 16	8 x 16	8 x 8
Pixels Per Sq Foot (Density)	929	595	363	232	149
Dimensions (Per Module)	6.3" x 12.6"	7.87" x 7.87"	10" x 10"	6.3" x 12.6"	7.87" x 7.87"



Communication Solutions:

Hardwired:

- 5' 300': Ethernet Cable (Cat 5e or Cat 6) for hardwired connections, separate conduit from power.
- 300' 1,000'+: Fiber Optic Cable requires fiber optic converters and can be run with power.

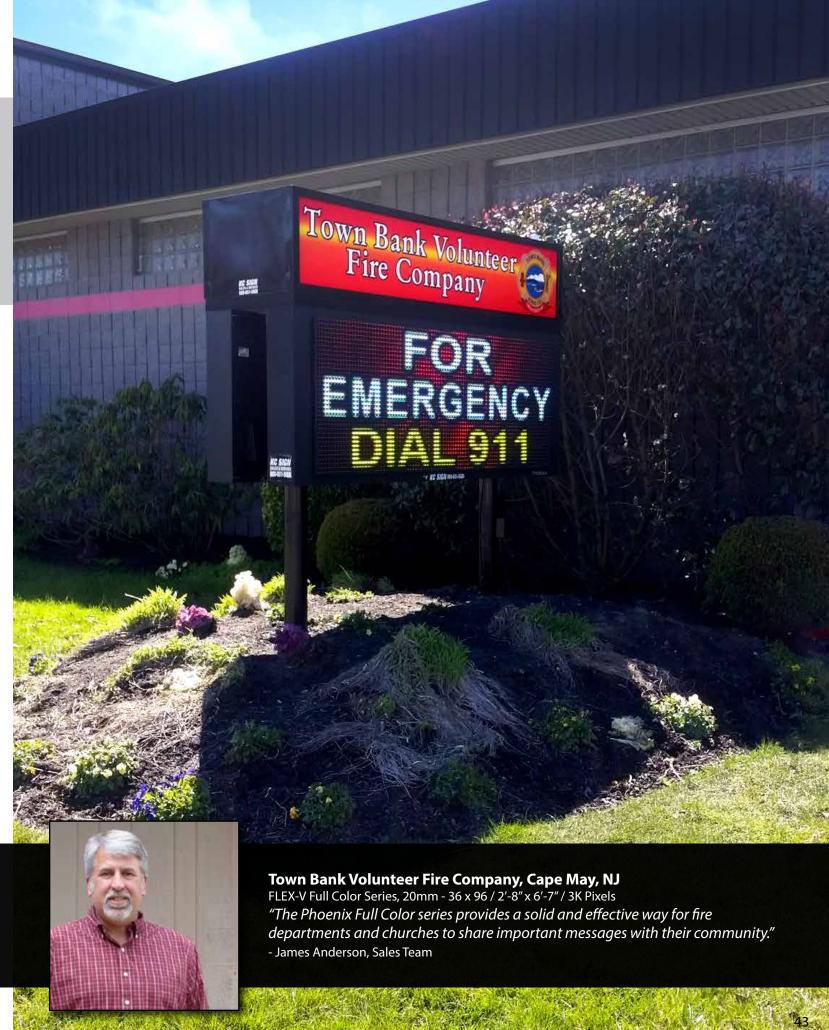
Wireless Ethernet Radios: 5' up to 1000' with line of sight, radio at building & radio at the display.

Cell Modem: Cellular modem in the display that receives a cellular signal (*Requires cellular data plan*).

Broadband: Internet connection brought to the display (*Requires Internet service plan*).



"Vantage has the experience to provide us with extraordinary service for all of our projects. I was impressed with their fabrication facility and have always been pleased with the friendly sales staff, both at the home office and in the field. Their industry-leading on-site service warranty and cutting-edge software helps me stay ahead of the competition."



Designed and built in the USA to ensure strength and weatherability.

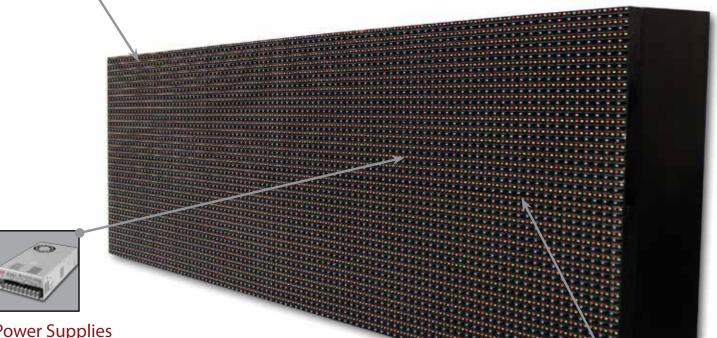
- Extruded aluminum construction with steel supports to minimize weight while maximizing strength.
- · Industry Proven Powder Coat, or use our custom Dragon Skin coating available on request.
- · Borderless construction to improve installation options and maximize square footage. Custom borders available on request.



LED Modules

The building blocks that connect together to create the display area.

- · Deflective louver system shade LEDs & increase contrast.
- · Two half-turn connection points for easy front access & serviceability for faster repairs and less downtime.
- · Neoprene seals adjust to weather & do not crack ensuring longer performance.



Power Supplies

Converts AC power to DC power.

- · Conformal coating protects from corrosion & oxidation and increases its durability by 25%.
- · Voltage and temperature safeguards mean fewer service issues, and longer lasting systems.

REVOLUTION™ Controller

Android-Based Operating System.

- · Solid state hard drive for greater reliability.
- · Automatically runs complete diagnostics reporting any issues.
 - Auto backup of content on the cloud with SM Infinity™.



Wireless Radios

Secure message transmission between two radios (at the building and at the LED sign).

- · Pre-configured at the factory to be plug-n-play.
- · Allows more freedom in choosing where to install LED sign.
- · No trenching for a data cable through parking lots or sidewalks.



Continuous Steel Angle

High strength steel used to mount the display to any structure.

- · 3/16" thick steel allows mounting anywhere as oppose to clips.
- · Located along top and bottom edges to support a variety of connection points.
- · Angle is inset from the edge to help hide fasteners.



· Backup Cable creates a data loop minimizing image failure.

· Industry standard has data in one direction allowing larger image failure.

Pre-wired for 120 VAC or 240 VAC.



· Power requirements clearly documented and labeled.







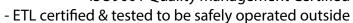
Rear or Front Ventilation Available

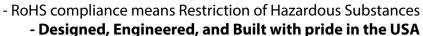
Regulates temperature and eliminates moisture inside display.

- · Fans only turn on when it gets hot and turn off when desired temp is achieved.
- · Rear Ventilation is a proven industry standard & has unlimited display sizes.
- · Front Ventilation is ideal for recessed or enclosed structures & limited to display sizes.

Marks of Safety, Care, and Pride

- ISO9001 Quality Management Certified



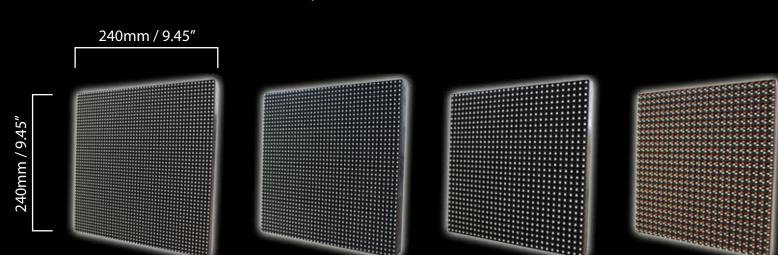


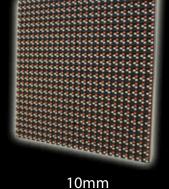


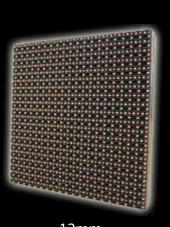


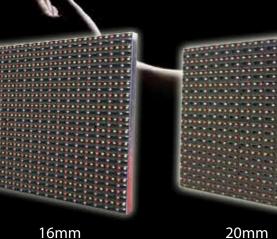
The Dynamic FLEX-V Series LED Module

We revisited the common LED module and made it...flexible. Our FLEX-V module features all our pitches in one universal module size.









Now, there's nothing **common** about it.



24mm 10 x 10 matrix DIP

5mm 48 x 48 matrix **SMD** (full color only)

6mm 40 x 40 matrix **SMD** (full color only)

8mm 30 x 30 matrix **SMD** (full color only)

24 x 24 matrix DIP

12mm 20 x 20 matrix DIP

15 x 15 matrix DIP

12 x 12 matrix DIP

All the best resolutions & all the best options.

Future Proof

The FLEX-V Series module makes it easy to upgrade and not be "locked down" to the display you purchased. **Today:** If you don't have the budget for a high resolution display (12mm or 16mm), you can begin with a lower resolution, such as a 24mm pitch, and start reaping the benefits of advertising with an LED display. Later: As your business grows, you can upgrade to a tighter pitch, such as a 16mm, enhancing your advertising, displaying success, and refreshing your image within your community.

Overall Ease and Simplicity

Traditionally, you would have to replace the entire LED display if you wanted to upgrade to a better resolution. Now, you can avoid uninstalling/reinstalling costs and having to worry about a new permit by simply installing new modules. Upgrading the display to a higher resolution will require additional power supplies. All other internal and external components will be forward and backwards compatible.

Ultra Low Power

Our redesigned power configuration and hardware provides a lower power consumption, requiring 70% less power when compared to leading manufacturers. This reduces the operating and long term costs of the LED sign, saving time and money.

Competition installed a better resolution display? We can easily upgrade your display to a higher resolution in the field. See us in action: VantageLED.com/videos



Ultra Low Power

Custom Conformal Coating:

Our power supplies are custom coated internally to protect against corrosion and oxidation. This extra step we take in the process helps to increase the life by 25%.

Safety and Protection

Built in voltage and temperature protection in our power supplies protects against long term damage from power surges or heat. This means they stay effective longer in the field and help eliminate downtime.

Efficient Power

Through solid engineering and design, our power supply and hardware system helps you save money on electrical installation and service costs.

Advertising Power

Our power supply design facilitates lower powered billboard displays and integrate redundant power configurations. This means less long term costs, downtime, and more advertising revenue for operators.

Ultra Low Power

Our redesigned power configuration and hardware provides a lower power consumption, *requiring 70% less power when compared to leading manufacturers*. This reduces the operating and long term costs of the LED sign, saving time and money.

Type	Pitch	Module Matrix	Watts per Pixel (MAX) Full Brightness
SMD	5	48 x 48	0.020
SMD	6	40 x 40	0.028
SMD	8	30 x 30	0.052
DIP	10	24 x 24	0.026
DIP	12	20 x 20	0.038
DIP	16	15 x 15	0.067
DIP	20	12 x 12	0.105
DIP	24	10 x 10	0.126

Power Calculation: Watts times Matrix divided by Voltage = Amps for a display For Example: A standard 20mm, 48×96 display would only pull 4 amps per face. (48*96 = 4,608*0.105 = 483.84/120VAC = 4.03 Amps/face maximum power)

Virtual Enhanced Resolution

See it in action: VantageLED.com/videos

Enhanced Performance with Virtual Resolution is not a myth, it's real technology resulting in smoother graphics and extremely fluid video. It does not require more power or more strain on the

display. Each individual LED has its own chipset allowing the software to control it like a pixel thus halving the distance from one true pixel to another virtually doubling the resolution (or the pixel matrix) of the display.

No Strain: VR technology simply shares LEDs. We added extra driver IC's to the modules to provide the computing power to control the complex algorithms.

No Pain: VR does not require more power or require overdriving the LEDs. Overdriving LEDs is a poor choice for a short-game sale. It causes a display's LEDs to degrade faster and the sign to lose performance over time.

More Gain: Virtual enhanced resolution will make the display look crisper and more defined with sharper images and smoother lines. It's an upgrade on the system which makes it stand out.



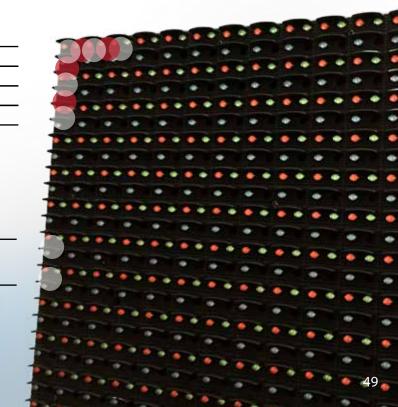
Without Virtual Resolution



With Virtual Resolution

With **Virtual Resolution** technology, the pixels are able to **share** the LEDs between them; thus halving the distance from one pixel to another and virtually doubling the resolution of the display and **enhancing the content.**

Pitch is the measurement in millimeters (mm) from one center point of a group of LEDs (which makes up a Pixel) to the next center point; The closer the pixels, the tighter the pitch, and the higher the Resolution of the display.



REVOLUTION Controller

Our REVOLUTION™ Android-Based Controller is a performance game changer.

Featuring a quad-core processor for high-quality graphics and fast performance, it is the brain of the display where messages are stored, processed, and delivered with the complete reliability of a custom-built Android operating system.



Personalized Solutions: With a custom operating system and an application framework built from the ground up, we have the flexibility to add and streamline new custom solutions for our clients.



"The safety of our mobile billboard drivers is top priority for us. The GPS-Controlled Stop & Go Messaging solution Vantage offered was perfect; eliminating extra distractions for the drivers keeping them safe. Plus, the ad time was automatically equalized between all our advertisers keeping them happy."

- Dusty & John, Silver Lining Advertising (pictured on Page 54)



Plug-n-Play Install: Allows the display to automatically connect to the network with virtually no manual configuration.

Automated Diagnostics: Our controller continuously monitors display performance by automatically running complete diagnostics, from signal output to temperature and onboard voltage sensors, and quickly reports to ensure a rapid response from support.

Cloud & Controller Storage: All message files are stored online in the cloud and locally in the display. The data is always secure, backed up daily, and easily accessible anytime, anywhere, from any device. If the controller ever had to be replaced, the content uploads automatically.

Stronger Security: Compared to a Windows-based system, there is a reduced threat of viruses and malware, local encrypted login, and encrypted network transmissions.

Low Power & Solid Reliability: Lower power consumption to the industry standard with onboard solid state memory allows for faster processing, lower heat, and outstanding performance. It can operate in the extreme hot or cold: -20 C to 70 C / -4 F to 158 F.

Exterior & Interior Applications: Whether installed in an LED outdoor/indoor display or HD interior/exterior screen, we got your back with this flexible next-generation control solution.



"It is not the strongest of the species that survives, nor the intelligent, but the one most responsive to change." - Charles Darwin, 1809

High Performance Cabinet Coatings

Powder Coat

Powder coating is quickly becoming a required standard for high-quality LED message center manufacturing. Make sure your investment is properly protected. Accept no imitations. While many coatings may appear similar, you'll see the difference when you try to scratch beneath the surface.

- · Responsible powder coating emits zero volatile organic compounds (VOC) making it a safe and green alternative to conventional liquid coatings.
- · Powder coatings can produce much thicker coatings than conventional liquid coatings without running or sagging delivering a uniform protective seal.
- · Powder coating production lines produce less hazardous waste than conventional liquid coatings ensuring a better environment for all.
- · Powder coated items generally have fewer appearance differences between horizontally coated surfaces and vertically coated surfaces than liquid coated items, this means your system will look better (longer) than conventional liquid coatings.

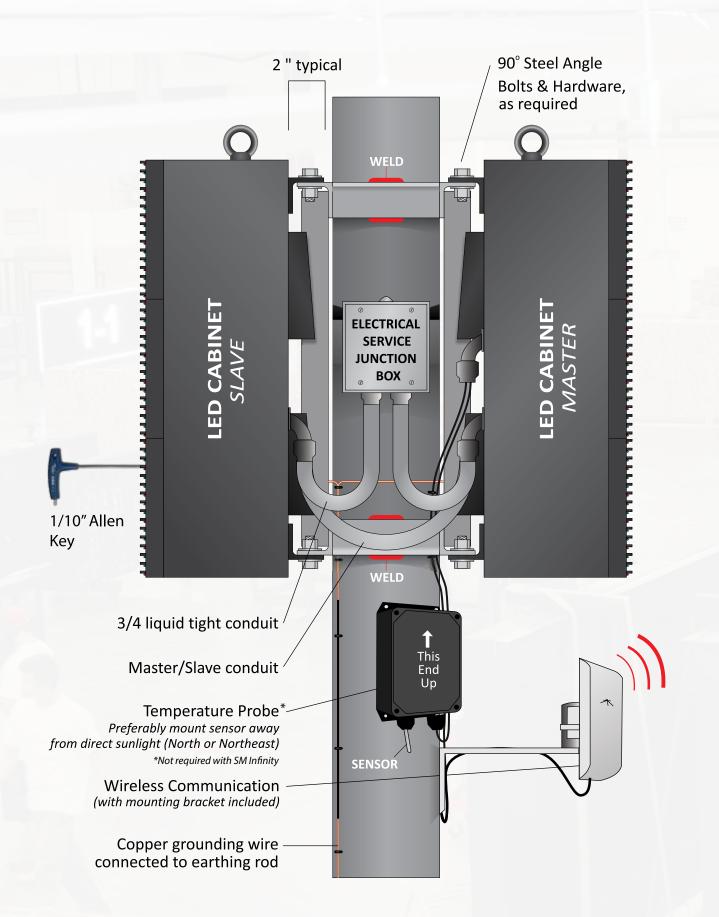
Dragon Skin™ is a rugged and resilient coating on the display cabinet patented by Vantage LED. This high performance coating is designed to protect the display leaving it looking better, longer, and stronger.

- **It is highly scratch resistant.** When compared to conventional paint, it resists fading and scratching during installation and for the life of the display.
- The coating expands and contracts with weather changes. This means it will not stiffen, crack, or peel like conventional paint adding longevity to the beauty of the display.
- **Plus, it's a safe and "green" alternative** for our planet. The coating does not use Volatile Organic Chemicals (VOC) unlike typical paint applications which release harmful elements into the atmosphere.



Powder Coat Dragon Skin

Typical Installation & Mounting Diagram



		1					Detail 1
	Sign Length	6'-3 %6" (1920mm)	7'-1 ½6"	7′-10 ½″	8'-7 ¹⁵ / ₁₆ "	9'-5 3%"	10'-2 ¹³ / ₁₆ "
Sign Hoight	Pitch	Matrix	(2160mm) Matrix	(2400mm) Matrix	(2640mm) Matrix	(2880mm) Matrix	(3120mm) Matrix
Sign Height		192 x 384					
	5mm	192 x 384 160 x 320	192 x 432	192 x 480	192 x 528	192 x 576	192 x 624
	6mm		160 x 360	160 x 400	160 x 440	160 x 480	160 x 520
2/ 1/2/ //	8mm	120 x 240	120 x 270	120 x 300	120 x 330	120 x 360	120 x 390
3′-1 ¹³ ⁄16″ (960mm)	10mm	96 x 192	96 x 216	96 x 240	96 x 264	96 x 288	96 x 312
(90011111)	12mm	80 x 160	80 x 180	80 x 200	80 x 220	80 x 240	80 x 260
	16mm	60 x 120	60 x 135	60 x 150	60 x 165	60 x 180	60 x 195
	20mm	48 x 96	48 x 108	48 x 120	48 x 132	48 x 144	48 x 156
	24mm	40 x 80	40 x 90	40 x 100	40 x 110	40 x 120	40 x 130
Sign Height	Pitch	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix
	5mm	240 x 384	240 x 432	240 x 480	240 x 528	240 x 576	240 x 624
	6mm	200 x 320	200 x 360	200 x 400	200 x 440	200 x 480	200 x 520
	8mm	150 x 240	150 x 270	150 x 300	150 x 330	150 x 360	150 x 390
3′-11 ¼″	10mm	120 x 192	120 x 216	120 x 240	120 x 264	120 x 288	120 x 312
(1200mm)	12mm	100 x 160	100 x 180	100 x 200	100 x 220	100 x 240	100 x 260
	16mm	75 x 120	75 x 135	75 x 150	75 x 165	75 x 180	75 x 195
	20mm	60 x 96	60 x 108	60 x 120	60 x 132	60 x 144	60 x 156
	24mm	50 x 80	50 x 90	50 x 100	50 x 110	50 x 120	50 x 130
Sign Height	Pitch	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix
	5mm	288 x 384	288 x 432	288 x 480	288 x 528	288 x 576	288 x 624
	6mm	240 x 320	240 x 360	240 x 400	240 x 440	240 x 480	240 x 520
	8mm	180 x 240	180 x 270	180 x 300	180 x 330	180 x 360	180 x 390
4′-8 ¹¹⁄₁6″	10mm	144 x 192	144 x 216	144 x 240	144 x 264	144 x 288	144 x 312
(1440mm)	12mm	120 x 160	120 x 180	120 x 200	120 x 220	120 x 240	120 x 260
	16mm	90 x 120	90 x 135	90 x 150	90 x 165	90 x 180	90 x 195
	20mm	72 x 96	72 x 108	72 x 120	72 x 132	72 x 144	72 x 156
	24mm	60 x 80	60 x 90	60 x 100	60 x 110	60 x 120	60 x 130
Sign Height	Pitch	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix
Sign Height		336 x 384			336 x 528	336 x 576	
	5mm		336 x 432	336 x 480			336 x 624
	6mm	280 x 320	280 x 360	280 x 400	280 x 440	280 x 480	280 x 520
F/ C 1/ //	8mm	210 x 240	210 x 270	210 x 300	210 x 330	210 x 360	210 x 390
5′-6 ⅓″ (1680mm)	10mm	168 x 192	168 x 216	168 x 240	168 x 264	168 x 288	168 x 312
(100011111)	12mm	140 x 160	140 x 180	140 x 200	140 x 220	140 x 240	140 x 260
	16mm	105 x 120	105 x 135	105 x 150	105 x 165	105 x 180	105 x 195
	20mm	84 x 96	84 x 108	84 x 120	84 x 132	84 x 144	84 x 156
	24mm	70 x 80	70 x 90	70 x 100	70 x 110	70 x 120	70 x 130
Sign Height	Pitch	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix
	5mm	384 x 384	384 x 432	384 x 480	384 x 528	384 x 576	384 x 624
	6mm	320 x 320	320 x 360	320 x 400	320 x 440	320 x 480	320 x 520
	8mm	240 x 240	240 x 270	240 x 300	240 x 330	240 x 360	240 x 390
6′-3 %16″	10mm	192 x 192	192 x 216	192 x 240	192 x 264	192 x 288	192 x 312
(1920mm)	12mm	160 x 160	160 x 180	160 x 200	160 x 220	160 x 240	160 x 260
	16mm	120 x 120	120 x 135	120 x 150	120 x 165	120 x 180	120 x 195
	20mm	96 x 96	96 x 108	96 x 120	96 x 132	96 x 144	96 x 156
	24mm	80 x 80	80 x 90	80 x 100	80 x 110	80 x 120	80 x 130







"This is teamwork. We have a group of unselfish individuals who work together to serve its dealer partner network by providing innovative product solutions and fast turnaround...the power of Vantage LED."

- Ricky Chai, VP of Operations







"What we want to provide is the fact that we design and manufacture here, we customize the product if they need it, and to provide that excellent experience; treat everyone the same, no matter if they are a first time buyer or have been with us for a long time."

- Kyle Carnes, Chief Information Officer







"Being a provider of LED Displays for 26 years, I can truly say that our years with Vantage have been the best. Their slogan "We got your back" is not just a slogan, it is a company ethos...starting with the vision of their owner, Chris Ma. His spirit to excel trickles down to every one of his people."







"It's not who I am underneath, but what I do that defines me."
- The Batman

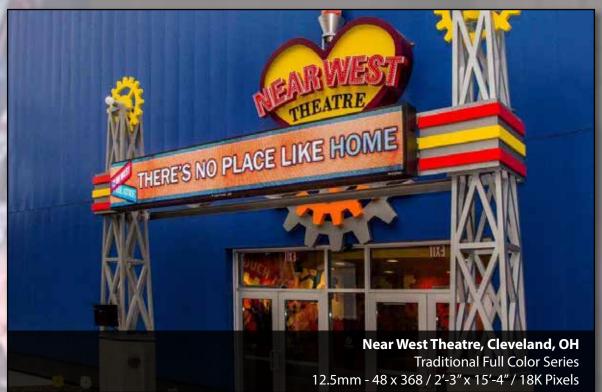






"Meeting the Vantage staff in person reinforced our opinion that this is a uniquely customer-centered company!"







"I love sharing the power of SM Infinity and Vantage LED with our customers around the world. Whether it's a school principal or business owner, the genuine excitement about how the display can empower them and the community never gets old. The dedicated nature of our people behind the product truly flows into everything we do."

- Scott Hofheins, Specialist

How Vantage LED is Different from other Manufacturers.

FEATURES



OTHERS

Cloud-Based **Complete Access 24/7**

100% ONLINE WITH SM INFINITY

- Use a PC, Mac, iPad App, or Mobile Device.
- Complete creation & control of content
- Easy to Use, Training Included

Local **Software Option**

PROVEN ROCK SOLID SOFTWARE

- 365+ Day Limitless Scheduling & Message Editor
- Easy to Use, Training Included
- Live Video & Scoreboard Options

Integrated **Custom Content**

7 YEAR CUSTOM CONTENT CREATION

- Designed for your business / your display - Completely Integrated with SM Infinity
- Average Turnaround in 1-2 Days

Standard **Parts Warranty**

7 YEAR PARTS & FACTORY LABOR

- Longer Warranty & More Value
- In-Stock & Shipped From California Factory
- Includes Std. Shipping BOTH Ways

Standard **Onsite Warranty**

- Serviced by Local Authorized Service Provider

7 YEAR ON-SITE PARTS REPLACEMENT SERVICE

- Backed by a Third Party Guarantor

Automatic **Emergency Alerts**

DIRECT FROM FEMA-IPAWS

- Alerts Display Automatically
- Tied Directly to IPAWS Database
- Amber, Silver, Weather & Public Safety Alerts

Low **Energy Cost**

70% LESS POWER REQUIRED

SIMPLE LED MODULE RE-FACE

- No Other Components Required

- Simply Swap the Old Modules with New

- Reduced Cost to Operate - Environmentally Friendly

- Less Cost and Labor

- -.020 -.126 Max Watts Per Pixel

Easy

Display Upgrade

Virtual

ENHANCED IMAGE QUALITY - Smoother Edges on Content & Fluid Video

Enhanced Resolution

Versatile

HIGH SPEC INDUSTRIAL GRADE

Control System

- Android or Windows-Based System - Scalable for Unique Client Solutions

- Better Viewability Closer Up

- Temp Tolerance (-20 C to 70 C / -4 F to 158 F)

- Better Scaling for High-Resolution Files

Company

and Culture

WE GOT YOUR BACK

- People Focused
- Fearless Industry Disrupting Solutions
- Honesty and Transparency

NOT AVAILABLE or RESTRICTIVE

- No Web Portal or App.
- Limited Features & Complicated to Use
- No Automatic Emergency Alerts

OUTDATED or OUTSOURCED

- Confined Scheduling Options
- Limited or No Built-In Editor
- Poor Design or Options

NOT AVAILABLE

- Non-Integrated Limited third party service
- Generic Content / Not Relevant
- Improper Size or Unusable

1-5 YEAR PARTS & FACTORY LABOR

- Parts May Not Be Stocked
- Often From Overseas Supplier
- Shipping May Not Be Included

NOT AVAILABLE

- 1-2 Years May Be Available at Extra Cost
- Not Guaranteed

NOT AVAILABLE

- Third Party App or Manual Entry Required, if Available at All

STANDARD POWER

- Increased Cost to Operate
- Harder on the Environment
- .034 .214 Max Watts Per Pixel

NOT AVAILABLE

- Requires More Components
- Possible Cabinet Replacement
- Cost Prohibitive

STANDARD IMAGE QUALITY

- More Pixelated Edges
- Less Viewability
- High-Resolution Files More Pixelated.

MID-GRADE PC or EMBEDDED

- Lower Performance & Not Scalable
- Lower Frame Rate on Video
- Lower Temp Tolerances

RESULTS MAY VARY

- Short Term Sale & Profit Focused
- Maintaining the Status Quo
- Unclear and Sometimes Deceptive

OUR BELIEF

Pages 2 & 3: Welcome to the Team:

Our Mission & Personal Statement from our CEO & Founder, Chris Ma.

Pages 4 & 5: Be A Part of Vantage LED:

A design house with powerful solutions & amazing teams. All of us together grow this company.

Pages 6 & 7: We Got Your Back:

Standing shoulder to shoulder with our partners to grow your business.

Pages 8 & 9: Adding Value Beyond the Brand:

As an LED display owner, are you getting what you need?

Pages 10 & 11: How We Protect Your Investment and Make Sure It's Effective:

Our core unique selling points that protect your investment and make it effective.

SOLUTIONS

- Pages 12 & 13: Retail Business and Education
- Pages 14 & 15: Church/Non-Profit and Government/Public Entities
- Pages 16 & 17: Medical and Event/Venues

BILLBOARD SOLUTIONS

- Pages 18 & 19: Build Your Way
- Pages 20 & 21: Advertise Your Way

SCOREBOARD SOLUTIONS

- Pages 22 & 23: Scoreboards & Live Events
- Pages 24 & 25: Virtual Scoreboards

CORPORATE SOLUTIONS

Pages 26 & 27: National Accounts & Corporate Solutions

INDOOR SOLUTIONS

Pages 28 & 29: Indoor FLEX HD Series

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CLOUD-BASED SOFTWARE

- Pages 32 & 33: SM Infinity™: Cloud-Based Software and Personalized Content Creation
- Pages 34 & 35: SM Infinity™: Doodle™: Online Message Editor and iPad App Operation
- Pages 36 & 37: SM Infinity™: Features and Comparison of SM Infinity™ vs Others

PC-BASED SOFTWARE

Pages 38 & 39: LightSpeed™ Local Media software

OUTDOOR DISPLAYS

- Pages 40 & 41: The Building Blocks of Your Outdoor Solution
- Pages 42 & 43: Specifications of our Building Blocks

A CLOSER LOOK

Pages 44 & 45: The Main Components and Features of our LED Displays

INNOVATIVE FEATURES

- Pages 46 & 47: The Dynamic FLEX-V Series LED Module
- Pages 48 & 49: Ultra Low Power and Virtual Resolution
- Pages 50 & 51: REVOLUTION™ Controller and High Performance Cabinet Coatings

POPULAR DISPLAY SIZES

Pages 52 & 53: Typical Installation & Mounting Diagram and Popular Sizes of LED Displays

GALLERY

- Pages 54 & 55: Maverick Helicopters, Silver Lining Advertising, Space Coast Massage, Pawn Plaza
- Pages 56 & 57: Rhode Island Row, Motley's Auction, River Center for Performing Arts, Stewart's Marketplace
- Pages 58 & 59: Cranford High School, Clark's Seafood & Chop House, McDonald's, Near West Theatre

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Research & Development Team











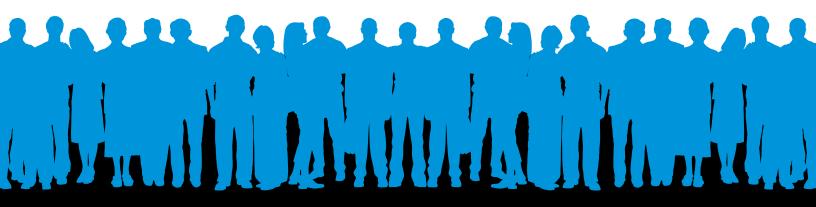


Never An Ordinary Experience

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VantageLED.com

ISO9001 Quality Management Certified ESOP Corporation



innovation integrity passion teamwork respect responsibility excellence