

DynaScan



PREMIUM PUBLIC DISPLAYS



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ULTRA HIGH BRIGHTNESS DISPLAYS

PREMIUM ULTRA HIGH BRIGHTNESS LCDS

Since 1998, DynaScan Technology has been an industry leader in cutting-edge LED display solutions. DynaScan's digital signage products have been installed in locations around the world for use in advertising, public information and entertainment. Drawing on its knowledge of LED optics and applying it to LCDs, DynaScan has created a line of premium displays with

the highest brightness ratings on the market. DynaScan DS² High Brightness Series LCDs are visible in direct sunlight with brightness ratings as high as 5,000 nits, and include a unique fanless thermal management system. Available in narrow bezel and full frame models, DynaScan has solutions to fit both end users and system integrators alike.

SERIES HIGHLIGHTS

- World's Brightest LCD Screens
- Calibrated For Superior Color Quality
- Fanless Thermal Management System*
- Variety Of Different Sizes Available
- Blackening Defect Free LCD Panel Up To 110°C (230°F)*
- Full HD 1080P Resolution
- Automatic Brightness Control
- Available Narrow Bezel For Video Wall Applications
- Sizes available: 46", 47", 55", 65", 72", 84"

*Applicable to most models. See product specifications for details.



Screen image simulated.



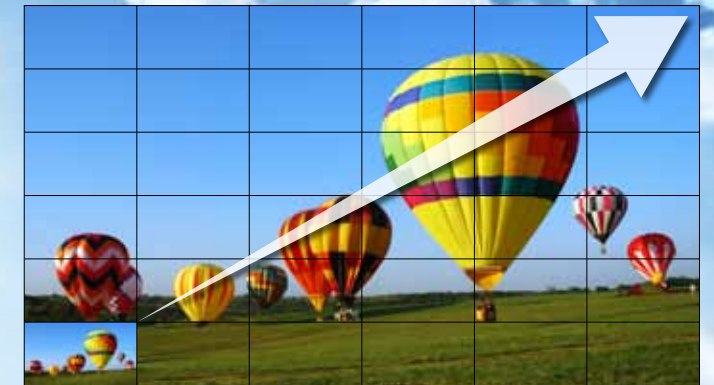


Ultra-High Brightness LED Backlight

DynaScan LCDs utilize a proprietary system of LED backlighting which is not only more energy efficient than traditional CCFL backlights, it is also considerably brighter. DynaScan has applied its LED expertise to create a collection of ultra-high brightness LCDs with maximum brightness ratings up to 5,000 cd/m², which can easily be viewed in direct sunlight such as storefront windows or outdoor enclosures.

Built-in Video Wall Support

With built-in video daisy chaining, a single 1080p source can be used on video walls up to 6x6 in size without the need for any additional video wall controller.



Local Dimming

The display features a local dimming LED back light technique for a remarkably high contrast picture as high as 1,000,000:1 (dynamic). With direct local dimming, darker areas of an image receive less backlighting than lighter areas, as opposed to CCFL and edge-lit LED backlights which illuminate an entire screen at all times causing blacks and dark areas to appear washed out.



Full HD 1080p

With a resolution of 1920 x 1080 Full HD, DynaScan Professional LCDs provide a super sharp image for easy-to-read text and incredible detail.



Superior Color Quality

DynaScan High Bright Professional LCDs come factory calibrated to D65 (6500 K) CIE color standard – a feature lacking from many of the large format commercial LCDs currently on the market. As many displays have a tendency to be rather cool or “bluish”, these color settings produce a very natural looking image which has a correlated color temperature to that of daylight.

Blackening Defect Free

DynaScan offers most high brightness screens with IPS LCD panels which can withstand temperatures up to 110°C (230°F) without blackening. This is especially crucial for direct sunlight applications.



Fanless Thermal Management System*

Heat generated by the display is radiated away from high temperature areas while a sensor continuously monitors the internal temperature to protect the system from overheating. All of this is done without the use of any fans, resulting in silent operation and greatly reducing the potential of a mechanical failure. This is especially beneficial in areas with a lot of dust which can obstruct a vent and cause the display to overheat.



Automatic Brightness Control

Different external lighting conditions require different brightness levels. An onboard light sensor measures the ambient light in the area and automatically adjusts the image accordingly.

Variety of Sizes and Styles

One size does not fit all applications. DynaScan offers a full range of high brightness LCDs ranging from 46” to 84” in standard and narrow bezel styles.

24/7 Operation

All DynaScan high brightness screens are designed for worry-free round-the-clock operation.

*Applicable to most models. See product specifications for details.



INDOOR APPLICATIONS

KEY FEATURES

- Bright, daylight viewable image
- Blackening defect free*
- Silent, fanless cooling*
- Heat and dust resistant design
- Low power consumption
- Full HD 1080p resolution

Store Window Displays

Digital media is only effective if viewers are able to see it. DynaScan high bright professional LCDs are a perfect solution for indoor environments that receive a high amount of ambient light such as storefront windows. To prevent blackening defect, DynaScan offers IPS LCD panels which can withstand temperatures up to 110°C (230°F). A fanless thermal management system provides silent, trouble-free operation.

Suggested Uses

- Retail stores
- Convenience stores
- Banks
- Travel agencies
- Real Estate Offices
- Post Offices

High Ambient Light Environments

DynaScan high brightness LCDs are an excellent solution for areas with bright indoor environments with high ambient light such as beneath sky lights or areas with bright interior lighting. Multiple narrow bezel screens may easily be combined in a tiled video wall matrix up to 6x6 in size.

Suggested Uses

- Airports
- Train stations
- Command and control centers
- Corporate environments / meeting areas
- Convention centers
- Sports venues and arenas

*Applicable to most models. See product specifications for details.





OUTDOOR APPLICATIONS

KEY FEATURES

- Ultra bright up to 5,000 cd/m²
- Blackening defect free
- Viewable in direct sunlight
- Heat and dust resistant design
- Low power consumption
- Automatic brightness control

Enclosures & Kiosks

Save money and make your kiosks more efficient with DynaScan high bright LCDs. With narrow bezel models available, DynaScan high bright LCDs can easily be integrated in custom outdoor enclosure designs. Brightness ratings as high as 5,000 cd/m² produce an easy to see daylight viewable image with low power consumption. With a fanless cooling design, enclosure builders can control the air flow within the structure for maximum efficiency. Extension kits are available for both the infrared and ambient light sensors for easy relocation.

Suggested Uses

- Advertising
- Directories
- Bus shelters
- Vending machines / ticket kiosks
- Way finding

Building Exteriors

In an area typically reserved for posters and print material, DynaScan ultra-high brightness LCDs offer property owners a new medium for engaging presentations that are clearly visible both day and night on building exteriors. These screens are ideal for digital drive through menu boards or even replacing logo signage with a fully dynamic digital video wall.

Suggested Uses

- Drive-through menu boards
- Movie theaters
- Special events and promotions
- Big box retailers



Photo Credit: Boyd Sign Systems, LLC





SPECIAL INTEGRATION

KEY FEATURES

- High bright models ranging from 1,500-5,000 cd/m²
- Superior image and color quality
- Narrow bezel as small as 5.3 mm bezel-to-bezel
- May be integrated with third party interactive systems
- Low power consumption
- Full HD 1080p resolution

Video Wall Displays

With built-in video daisy chaining, a single 1080p source can be used on a video wall matrix up to 6x6 in size without the need for any additional external video wall controller. By combining a narrow bezel display with the benefits of a high brightness LED back light, DynaScan high brightness narrow bezel LCDs are a perfect solution for indoor environments that receive a high amount of external daylight.

3D Displays

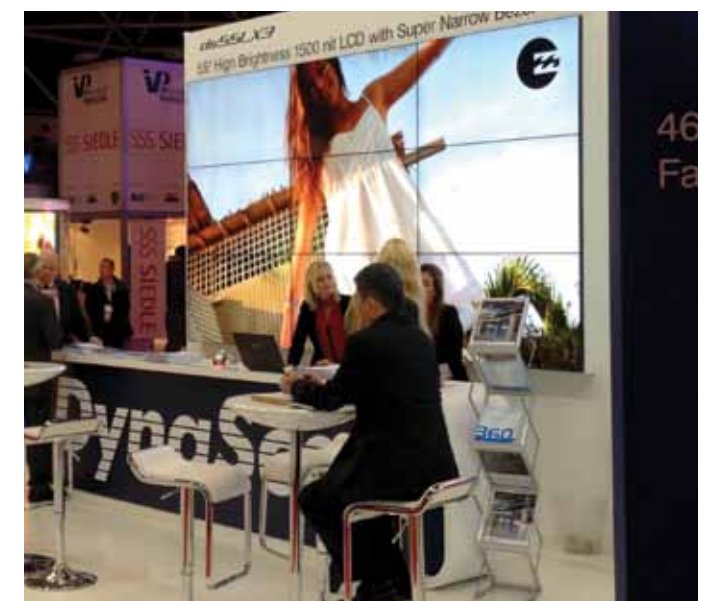
3D displays often produce an image dimmer than their 2D counterparts. With brightness levels ranging from 1,500-5,000 cd/m², DynaScan high brightness displays can be used to normalize light levels which have been diminished due to polarization, which reduces the light the viewer sees.

Holographic Displays

By utilizing a technique called "Pepper's Ghost" an illusionary hologram can be created by reflecting an illuminated image on angled glass panes. DynaScan high bright professional LCDs are able to provide the high resolution and brightness required to successfully achieve this effect.

Behind Glass and Film

Placing a LCD behind glass, shields or transparent films will affect the resulting brightness of an image. DynaScan high bright professional LCDs are an ideal solution to overcome these obstacles and produce an easy to see image.



VIDEO WALL DISPLAYS

VIDEO WALL DISPLAYS

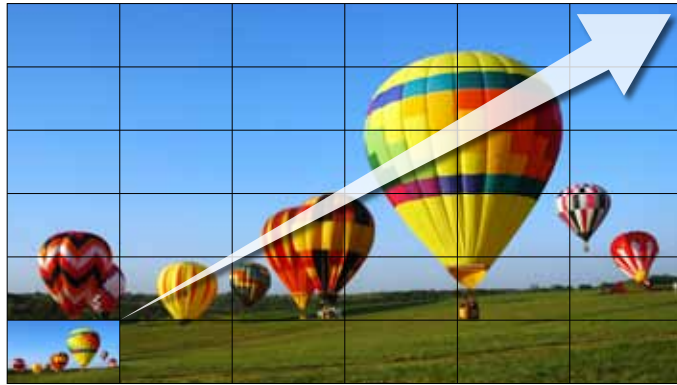
DynaScan offers a variety of displays with bezel-to-bezel widths as narrow as 5.3 mm for video wall applications. With built-in video daisy chaining, a single 1080p source can be used on a video wall matrix up to 6x6 in size without the need for an additional video wall controller. A complete software solution is included with each display to simplify the process of setting up

and configuring the video wall. With features such as individual D65 color calibration, EvenGlow technology, and IPS screen technology, DynaScan super narrow bezel LCDs offer the highest color quality and uniformity on the market.



SERIES OVERVIEW

- **Full HD 1080p** - Super sharp image for easy-to read text and incredible detail.
- **EvenGlow Technology** - Produces an evenly illuminated image across the display, reducing visual hotspots.
- **Local Dimming LED Backlight** - Darker areas of an image receive less backlighting for deep blacks and remarkable contrast.
- **Superior Color Quality** - Every screen is individually color calibrated to the D65 color standard for exceptional color quality and uniformity.
- **Blackening Defect Free** - Equipped with a high temperature IPS LCD panel capable of withstanding high temperatures without blackening.
- **Sizes available:** 46", 47", 55", 65", 72", 84"



Built-in Video Wall Support

With built-in video daisy chaining, a single 1080p source can be used on video walls up to 6x6 in size without the need for any additional video wall controller.



Blackening Defect Free

DynaScan offers most high brightness screens with IPS LCD panels which can withstand temperatures up to 110°C (230°F) without blackening - crucial for direct sunlight applications.

Super Narrow Bezel

Featuring exceptional color quality, durable construction and a high brightness, high contrast image, DynaScan ultra narrow bezel LCDs are a premium display solution for video wall applications. With a remarkably slim bezel-to-bezel dimensions as little as 5.3 mm, multiple screens can be tiled together for a near seamless image.



Superior Color Quality

Each screen comes factory calibrated to D65 (6500 K) CIE color standard – a feature lacking from many of the large format commercial LCDs currently on the market. As many displays have a tendency to be rather cool or “bluish”, these color settings produce a very natural looking image which has a correlated color temperature to that of daylight.



EvenGlow Technology

Even with direct LED backlighting, lighting can appear uneven and create a visual “hotspot” toward the center of the screen with the corners slightly darker. DynaScan's EvenGlow™ technology produces an evenly illuminated image and greatly reduces hotspots. This is especially beneficial in video wall configurations where darker areas become more apparent where four corners join together.



Full HD 1080p

With a resolution of 1920 x 1080 Full HD, DynaScan Professional LCDs provide a super sharp image for easy-to-read text and incredible detail.

Local Dimming

Each display features a local dimming LED back light technique for a remarkably high contrast picture as high as 1,000,000:1 (dynamic). With direct local dimming, darker areas of an image receive less backlighting than lighter areas, as opposed to CCFL and edge-lit LED backlights which illuminate an entire screen at all times causing blacks and dark areas to appear washed out.



Display Manager Software

DynaScan includes a complete software solution to configure a video wall, make adjustments to brightness, contrast, color temperature, as well as set an automatic on/off power schedule.





360° LED Video Displays

360° LED VIDEO DISPLAYS

Using patented spinning LED technology, DynaScan 360° video displays produce bright, crisp, high contrast video in a completely unique, elegant, eye-catching form. The unique cylindrical design of a DynaScan 360° display produces no visual blind spots. This allows viewers all around the display to have an equal opportunity to see it, no matter where they stand. With brightness ratings as high as 5,000 cd/m², DynaScan 360° video displays produce a sunlight readable image which can easily be seen in direct sunlight outdoor environments. A variety of different sizes in diameter are available for both indoor and outdoor applications.

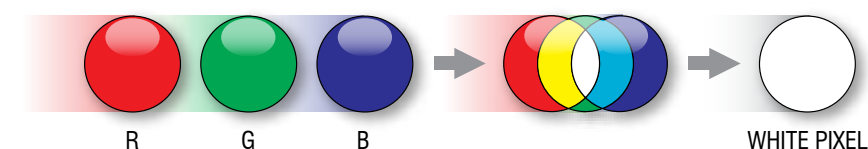
A Revolutionary Display

DynaScan 360° LED video displays are cylindrical, allowing viewing from all angles, helping to ensure your message is clearly seen by your target audience. DynaScan displays offer an attractive, ultra bright, high contrast, high resolution alternative to conventional two dimensional displays. With a pixel pitch of merely 2mm, DynaScan displays provide an image far clearer than any other LED video display on the market today.



Real Color Pixel

The typical LED display relies on small groupings of red, green and blue surface mount LEDs to generate a visible image. The result is an image with large pixels, considerable spacing between pixels, and must be viewed from a lengthy distance in order to see clearly. DynaScan 360° displays consist of a drum incorporating several red, green, and blue LED modules. As the drum spins, the system controls the lighting of each pixel at a precise location within 1/100th degree accuracy. The result is a perfect image with unsurpassed high resolution and brightness.



Content Management

DynaScan 360° LED video displays are compatible with virtually every content delivery system on the market. Using standard video input connections, DVDs, Blu-Ray, television feeds, live video and other video sources may be connected and displayed in 360 degrees. As an available option, DynaScan offers a complete, turn-key solution. Our internal digital media player allows the end user to create custom layouts, playlists and schedules. A variety of functions are built into the software - such as an ability to stream a live internet feed for stock and news updates, the ability to display customized layouts, and generate billing reports to keep track of every file played. Choose from pre-made templates or create your own. In addition to media playback, the digital media player also controls and monitors all of the display's hardware functions.

With the built in Ethernet connection, DynaScan 360° LED video displays can easily be integrated into a new or existing video network allowing you to create, control, and publish content to a full network of DynaScan displays using a single, centralized server.



INDOOR SERIES

KEY FEATURES

- 360° visibility
- High resolution & contrast
- Super bright: 550+ nits
- Split screen capable
- Light box (optional)*
- Ceiling mount (optional)*
- Casters for easy mobility

Overview

DynaScan 360 degree indoor video displays are an ideal fit for information broadcasting in high traffic areas such as casinos, subway and train stations, museums, hotel lobbies, shopping malls, food courts, and trade shows.

The Indoor Series features high brightness, high resolution, vivid colors, minimal power consumption, and can display multiple videos simultaneously. Also available in ceiling mount versions, DynaScan Indoor Series models are a strong visual focal point without having to sacrifice floor space. With a display brightness of up to 750 nits (cd/m²), all indoor models produce an image that may easily be seen in brightly lit indoor environments.

An optional light box base is available for most models to provide extra branding opportunities using backlit posters.

Vandal Resistant Design

Chosen for its high durability and safety, DynaScan utilizes a Lexan® SGC100 polycarbonate shield as a protective barrier. The outer shield provides protection from the elements as well as the public. The material is scratch resistant and, unlike glass, will not shatter should it be struck by an object. Lexan® has up to 30 times the impact strength of acrylic and 10 times that of "impact-modified" acrylic.

DynaScan 360° displays include a secure locking mechanism to help prevent unauthorized access. For permanent installations, displays may be securely anchored to the ground. DynaScan displays with light box bases feature the same durable polycarbonate material used for the display shield, while models without a light box feature strong steel panels to protect inner components.



*Option not currently available for all models. See product specifications for full details.
Lexan® is a registered trademark of SABIC Innovative Plastics IP BV.
Models shown with additional options and accessories.



OUTDOOR SERIES

KEY FEATURES

- Ultra bright: 7000+ nits
- 360° visibility
- High resolution & contrast
- Split screen capable
- IP65 weather proof
- Temperature controlled
- Vandal resistant design

Overview

Designed for year round operation in virtually any climate, DynaScan outdoor 360° LED displays are an excellent digital out-of-home signage solution. With a unique design, high resolution image and ultra high brightness, they are an ideal solution for high traffic applications such as city sidewalks, sports arenas, movie theaters, special events, and other public venues.

With a display brightness of up to 8,000 nits (cd/m²), these ultra-bright displays produces an image that may easily be seen in direct sunlight. Ambient light sensors automatically adjust the brightness levels throughout the day. Designed for year round operation, Outdoor Series models include a built-in air conditioner and heating element to maintain the internal temperature.

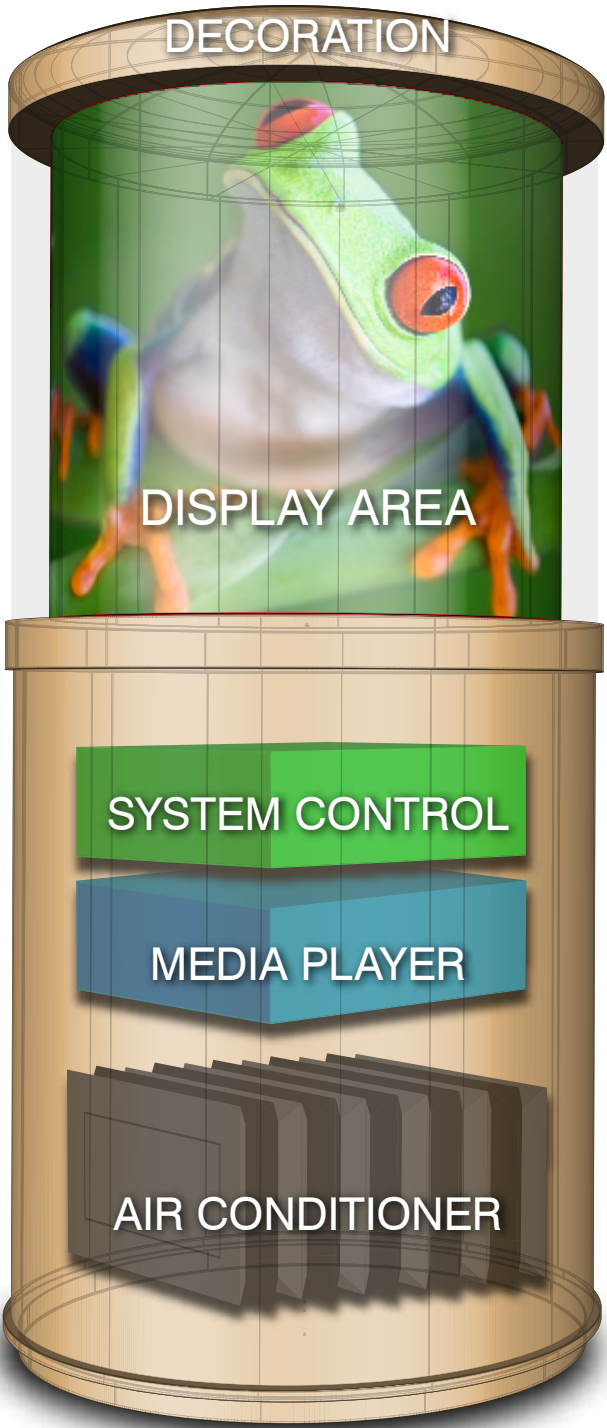
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DynaScan Outdoor Series displays include secure locking mechanisms to help prevent unauthorized access. For permanent installations, displays may be securely anchored to the ground.

Weather Protection

All DynaScan outdoor 360° LED video displays are IP65 rated. IP65 is categorized as having complete protection against contact with dust, and water projected by a nozzle against the enclosure from any direction shall have no harmful effects.



Lexan® is a registered trademark of SABIC Innovative Plastics IP BV. Models shown with additional options and accessories.

GALLERY





ABOUT DYNASCAN

Founded in 1998, DynaScan Technology, Inc. has been providing digital signage solutions around the world. With a strong engineering background and extensive experience in the audio / video industry, we have been helping our clients worldwide in retail, transportation, gaming, entertainment, rental, staging, and public venues to enhance advertising, branding, entertainment, and communication. DynaScan manufactures a full range of ultra high brightness and narrow bezel professional LCDs as well as the award winning line of DynaScan 360° cylindrical LED video displays.

DynaScan operates from offices in the United States, Taiwan, China and Netherlands. DynaScan's main shareholder is Chroma ATE, a global leader in electronic test and measurement instruments, automated test systems, power electronics and special materials. Headquartered in Taiwan, Chroma was founded in 1984 and is traded on the Taipei Stock Exchange under the symbol 2360.

Our displays, which have received numerous awards and recognition for their innovation, have been installed in locations around the world for use in advertising, public information, events and entertainment.

DynaScan operates around the world with sales and service offices in North America, Europe and Asia.



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