

# DynaScan



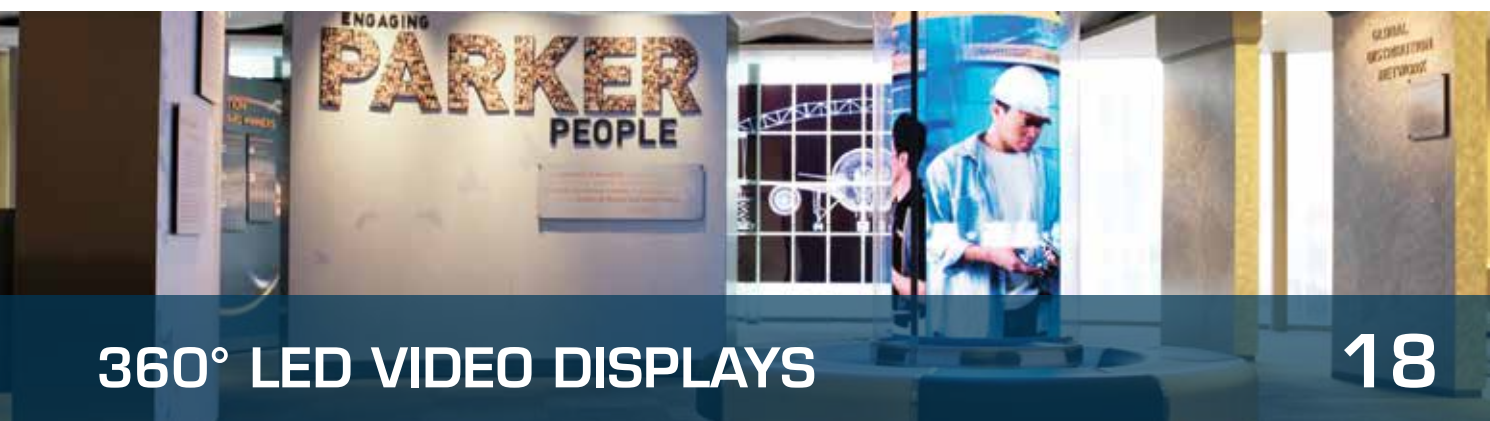
## PREMIUM VISUAL SOLUTIONS



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# CONTENTS



# ULTRA HIGH BRIGHTNESS LCDS

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# 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 DS<sup>2</sup> High Brightness Series LCDs are visible in direct sunlight with brightness ratings as high as 7,000 nits (cd/m<sup>2</sup>), and include a unique 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
- Intelligent Heat Dissipation
- Blackening Defect-Free LCD Panel Up To 110°C (230°F)\*
- Full HD & 4K Resolutions
- Automatic Brightness Control
- Available Narrow Bezel For Video Wall Applications
- Sizes available ranging from 32"-84"

\*Not applicable to all 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 7,000 nits, which can easily be viewed in direct sunlight, such as storefront windows or outdoor enclosures.

## 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.



## Superior Color Quality

DynaScan high brightness 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 natural looking image which has a correlated color temperature to that of daylight.

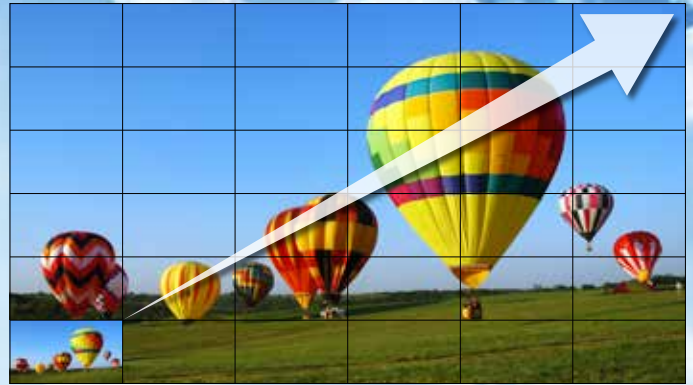
## Intelligent Heat Dissipation

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. This is accomplished with either a minimal amount of ultra-quiet fans, or some models utilize a fanless thermal management system.



## Built-in Video Wall Support

With built-in video daisy chaining, a single 1080p source can be used on video walls up to 15x15 in size without the need for any additional video wall controller.



## Full HD & 4K

With Full HD and 4K resolutions, DynaScan Professional LCDs provide a super sharp image for easy-to-read text and incredible detail.

## 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.



## 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 32" 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.

## Low Power Consumption

DynaScan is the industry leader in producing the most power efficient professional LCDs.

\*Not applicable to all models. See product specifications for details.

 **sunglass hut**

FRESH HANDMADE COSMETICS





# INDOOR APPLICATIONS

## KEY FEATURES

- Bright, daylight viewable image
- Blackening defect-free\*
- Ultra-quiet 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 skylights or areas with bright interior lighting. Multiple narrow bezel screens may easily be combined in a tiled video wall matrix up to 15x15 in size.

### Suggested Uses

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

\*Not available on all models. See product specifications for details.





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SUNDAY  
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BANK HOLIDAYS  
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# OUTDOOR APPLICATIONS

## KEY FEATURES

- Ultra bright up to 7,000 cd/m<sup>2</sup>
- 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 into custom outdoor enclosure designs. Brightness ratings as high as 7,000 nits 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
- Wayfinding



## 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

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





The more you shop, the more you save.

Items are being scanned only. Terms and conditions apply.

# SPECIAL INTEGRATION

## KEY FEATURES

- High bright models ranging from 1,500-7,000 nits
- Superior image and color quality
- Narrow bezel as small as 9.9 mm
- May be integrated with third party interactive systems
- Low power consumption



## Video Wall Displays

With built-in video daisy chaining, a single 1080p source can be used on a video wall matrix up to 15x15 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 backlight, 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 nits, 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, Mirror, and Film

Placing an 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.



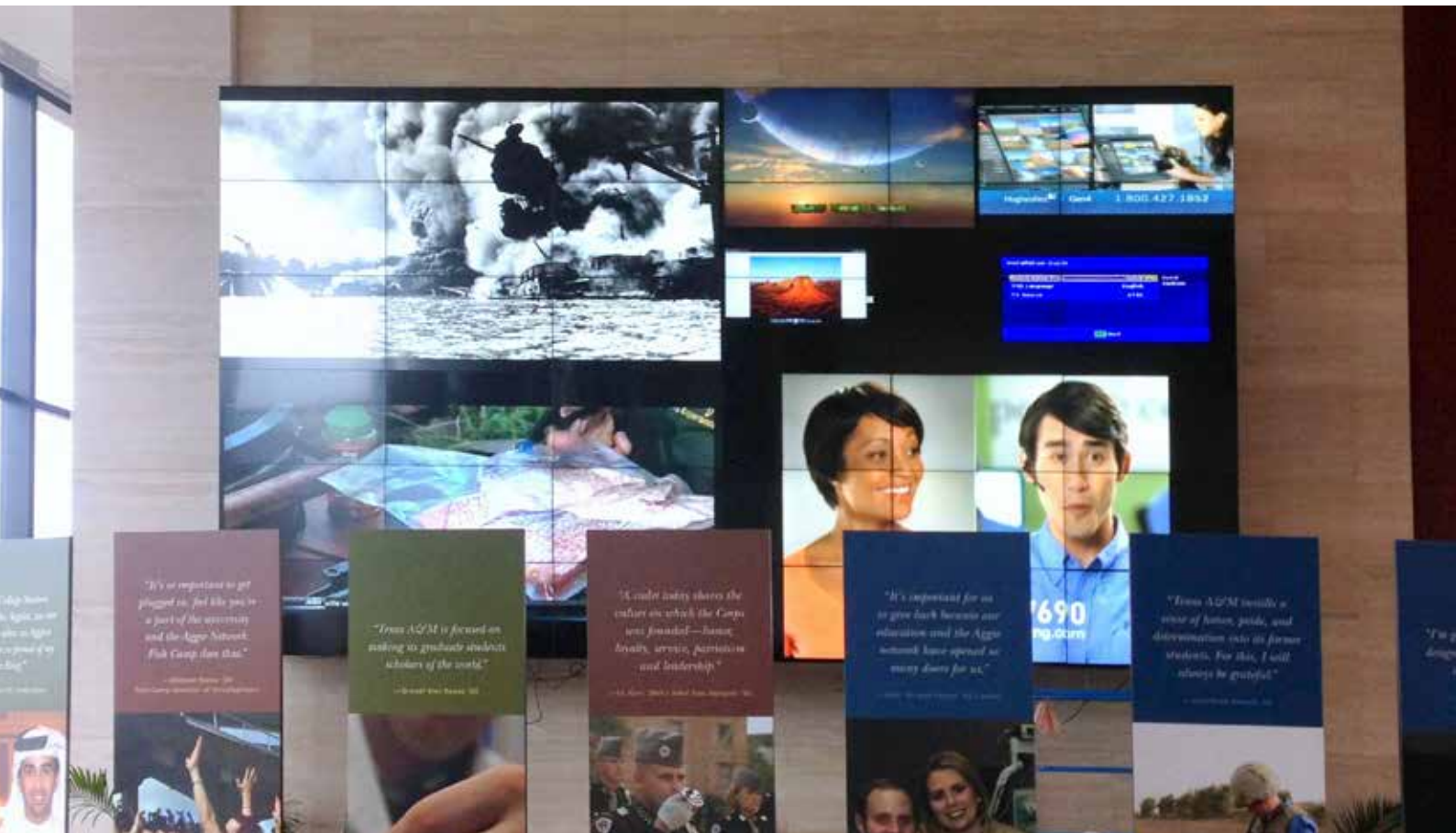
# VIDEO WALL DISPAYS



# VIDEO WALL DISPLAYS

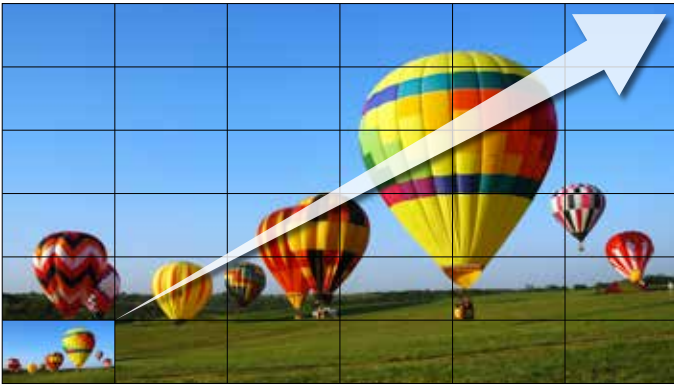
DynaScan offers a variety of displays with bezel-to-bezel widths as narrow as 3.5 mm for video wall applications. With built-in video daisy chaining, a single 1080p source can be used on a video wall matrix up to 15x15 in size without the need for an additional video wall controller. A complete software 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" & 55"



### Built-in Video Wall Support

With built-in video daisy chaining, a single 1080p source can be used on video walls up to 15x15 in size without the need for any additional video wall controller.

### 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 3.5 mm, multiple screens can be tiled together for a near seamless image.



### 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.

### 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.







## 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.

## 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.



## Full HD 1080p

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

## 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 7,000 nits, DynaScan 360° video displays produce a sunlight readable image which can easily be seen in direct sunlight outdoor environments.

## 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 2 mm, DynaScan displays provide an image far clearer than any other LED video display on the market today.



## A Wide Variety of Styles and Sizes

A variety of different sizes in diameter are available for both indoor and outdoor applications.



# CUSTOM SHAPES AND SIZES



## Halo Series

DynaScan's new Halo Series LED panels are designed to be viewed from the inside out. Available in a variety of sizes to choose from, these eye-catching displays are an ideal solution to provide viewers with additional information on products and branding.



## Wrap-around Column

Put structural columns and supports to use with a custom-fitted LED display. These displays offer a unique visual solution that may be applied to virtually any diameter column.

# 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.



## North America

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The background features several dark blue geometric shapes. On the left side, there are three stacked trapezoidal shapes that decrease in width from top to bottom. A large, wide, dark blue horizontal band spans the middle of the page. Below this band, there are more dark blue shapes, including a large trapezoid on the left and a smaller one on the right, all set against a white background.

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