



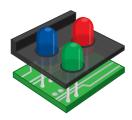


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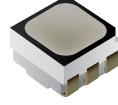
LED BASICS LED TECHNOLOGY 101

WHAT IS A PIXEL?

Learn more about our products at daktronics.com/



Through-hole pixel



Surface-mount pixel

"Pixel" is short for "picture element." A pixel is the smallest element in the display system that is individually controlled – turned off and on at various brightness levels. So the pixels illuminate to form letters, words, graphics, animation, and video images.

When designing displays, we evaluate the number of LEDs needed in each pixel for necessary brightness, while keeping production and power costs low.

WHAT IS RESOLUTION?





19.81 mm 64x140 8,960 pixels



15.85 mm 80x175 14,000 pixels



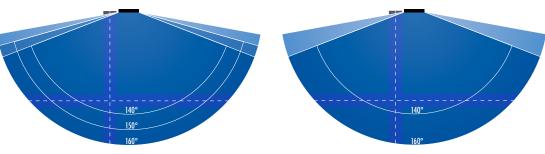
10 mm 160x288 46,080 pixels

"Resolution" is the number of pixels in a display. To increase resolution, your customer can go to a smaller pixel pitch in the same physical size display or increase the display's physical size using the same pitch.

We can help you evaluate how pixel spacing affects picture quality. In the examples left, the display size and distance are the same, but the pixel spacings are different.

WHAT IS VIEWING ANGLE?

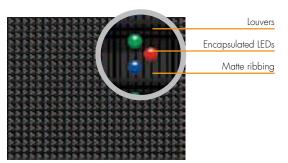
"Viewing angle" refers to the display's optimal viewing cone where the intended audience will be located. "Readability angle" or "viewing area" exceeds the optimum viewing angle, depending on the site and ambient light conditions (see graphics).



Viewing angle of Daktronics products

Optimum viewing angle vs. readability angle

So you can offer your customers LED signs with premier image quality, we integrate different features, procedures, and processes.



BRIGHTNESS & CONTRAST

LED displays with high contrast ratios show sharper, clearer, more effective images. "Contrast ratio" is the difference between an LED sign's full-on white brightness and the sign turned off with only ambient light reflection.

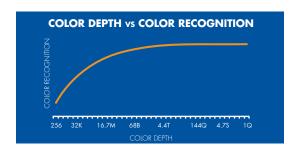
A high contrast ratio display shows crisper details and purer colors, especially in direct sunlight. We increase the darkness of the black state for a higher ratio contrast by using louvers that encapsulate the LEDs and a black matte finish. This reduces reflection and diffuses light to boost brightness levels, while maintaining power efficiency.



COLOR CALIBRATION

LED technology can dim over the years, but we offer several solutions so our displays maintain complete color uniformity throughout the equipment's lifetime.

First, we work with suppliers to buy color-consistent LEDs that are tightly binned and lot controlled. Then, before shipment, we calibrate individual LEDs and modules for color and intensity. After installation, technicians can lighten and darken modules as needed.



COLOR DEPTH

"Color depth" refers to the number of colors available to create an image. Generally, greater color depth can result in higher-quality images. But a color depth of more than 16.7 million isn't needed for high-quality images.* The graph, left, shows how increasing color depth improves color recognition at a lower color depth, but at a higher depth, the color recognition improvement is negligible.

*Amit Dhir, The Digital Consumer Technology Handbook (New York: Xilinx, Inc., 2004), p. 171.

TEXT VIEWING RANGES (APPROXIMATE)

| | RACTER Size | MAX. VIEWING DISTANCE | | | | | | |
|----|----------------|-----------------------|-----|--|--|--|--|--|
| in | mm | ft | m | | | | | |
| 3 | <i>7</i> 6 | 150 | 46 | | | | | |
| 6 | 152 | 300 | 91 | | | | | |
| 9 | 229 | 450 | 137 | | | | | |
| 13 | 330 | 650 | 198 | | | | | |
| | | | | | | | | |

| | RACTER Size | MAX. VIEWING DISTANCE | | | | | | |
|----|----------------|-----------------------|-----|--|--|--|--|--|
| in | mm | ft | m | | | | | |
| 18 | 457 | 900 | 274 | | | | | |
| 24 | 610 | 1,200 | 366 | | | | | |
| 36 | 914 | 1,800 | 549 | | | | | |
| 48 | 1,219 | 2,400 | 732 | | | | | |
| | | | | | | | | |

This table shows the correct character size based on viewing distance.

MINIMUM VIEWING DISTANCES

| MIN. VIEWING DISTANCE |
|--------------------------|
| 23' |
| 31' |
| 37' |
| 45' |
| 59' |
| <i>7</i> 6' |
| |

This table shows the distance at which the light from individual pixels blends together into a complete image.

RELBLTY

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CMR SVC INSTALL CRV SVC

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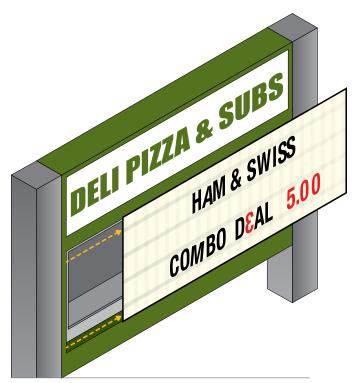
GS6 15

GS6 19

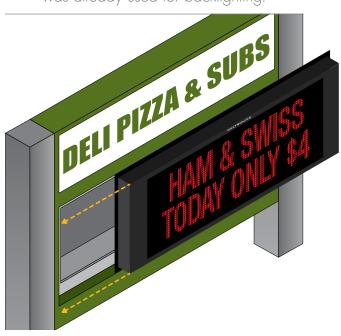
GS6 26

GS6 26

GALAXY® ECCB



The eCCB installs into a copyboard cabinet and runs on the power that was already used for backlighting.





Traditional changeable copy boards can be difficult to update, especially in bad weather, so messages often aren't as current as they should be. This restricts content to messages that are typically more generic.

Facilities with existing changeable copy boards can now easily install a Galaxy® eCCB display. The eCCB eliminates many of the problems that arise with a manual board.

THIS AFFORDABLE DISPLAY OFFERS:

- > Dynamic self promotion
- > Time sensitive messaging
- > Easy to update in any weather
- Multi-page messaging
- > Basic scheduling

"The eCCB display was a perfect solution for BankStar Financial. It was an affordable upgrade to LED from our manual changeable copy board. The 'text only' feature is just right for us to re-emphasize our marketing campaign, talk to our customers, and support community events."

Iulie Puetz Vice President BankStar Financial Brookings, South Dakota ᄑ



ECCB SERIES



Quick and easy message creation from a mobile phone or tablet (most Wi-Fi ready devices)



Ability to post timely messages in any weather condition



Basic messaging schedules



Low cost of ownership



Simplified installation





CONTROL FROM A MOBILE DEVICE WITH WI-FI ACCESS

The Galaxy eCCB offers organizations a product that attracts more business than a manual changeable copy board. Users control the display from a Wi-Fi ready mobile device using a web browser.

FEATURE SET

- > Installs into a copyboard cabinet for quick installation
- > Simple control interface requires no set up or training
- > Use existing line power already being used for backlit copyboard

DISPLAY CONFIGURATION

All sizes are available in single-face (SF) or two-view (2V) configurations.

Single-face (SF)Available in all sizes



Two-view (2V) Available in all sizes

SERIES TECHNICAL SPECIFICATIONS

Estimated LED Lifetime 100,00
Contrast Enhancement Non-refl
Graphic Capability Fixed fo

Graphic Capability Control Software

Control Device/Range

Cabinet Configuration Service Access

Power
Display Dimming
Communication Options
Operating Temperature
Compliance Information
Warranty Coverage

Product Support

100,000+ hours

Non-reflective black louvers and module face grooves disperse light

Fixed format text only; schedule up to 18 messages

Web browser based interface

Popular smartphone and tablet devices; line of sight

device & environment dependent

Front-ventilated single cabinet

Front access

120 VAC single phase

64 levels (automatic or manual control)

Router access

-40°F to 120°F with 99% RH non-condensing

UL and cUL Recognized, UL and cUL Classified, FCC compliance

2 Years

Parts support for 7 years, see page 6 for details

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TECHNICAL SPECIFICATIONS

| Lines of Text | 1-4 lines of text depending on display size |
|-----------------------|---|
| Line Spacing | 19.8 mm (0.78") |
| Pixel Configuration | 1 red |
| Maximum Brightness | 4,000 nits |
| Optimal Viewing Angle | 140 degrees horizontal; 70 degrees vertical |
| Readability Angle | 160 degrees horizontal; 90 degrees vertical |

eCCB A100 MODEL SPECIFICATIONS

| | Sizes | Lines and Columns | Character Height | Number of Lines | Characters per Line |
|---------|----------|-------------------|---------------------|-----------------|---------------------|
| | 3' x 8' | 32x100 | 10"-16.5" | 1 | 6–8 |
| | | | | 2 | 11–13 |
| | | | | 1 | 4–6 |
| | 4' x 6' | 48x80 | 11"–16.5" | 2 | 6–8 |
| | | | 3 | 8–10 | |
| | | | | 1 | 6–8 |
| 4' x 8' | 48×100 | 11"-16.5" | 2 | 8–10 | |
| | | | | 3 | 11–13 |
| | | | | 1 | 4–6 |
| | 51 OI | / / 100 | 10 5" 00" | 2 | 6-8 |
| | 5' x 8' | 64x100 | 12.5"–22" | 3 | 8–10 |
| | | | | 4 | 11–13 |
| | | | | 1 | <i>7</i> –8 |
| | FI 10I | (4 1 40 | 10 5" 00" | 2 | 9–11 |
| | 5' x 10' | 64x140 | 12.5"–22" | 3 | 12–14 |
| | | | | 4 | 16-18 |

Specifications are approximate. Request a Daktronics shop drawing for precise specifications. For square footage, refer to the specifications in the back of the catalog.



Big Clock of Berea Family Restaurant Greenville, South Carolina 48 lines x 100 columns 19.8 mm red eCCB series

"The eCCB definitely is generating business. We put specials such as '10% off meal to your church,' and the sign attracts many people to stop in. The control is quite simple to use."

Stelios Katsamperis The Big Clock of Berea Family Restaurant Greenville, South Carolina

MODEL NUMBER GUIDE

eCCB - A100 - 3FT x 8FT - 19.8 - R - SF LED Color Series

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INTRODUCING THE NEW **VENUS**® **CONTROL SUITE**



Operators at any level can access this software any time, anywhere, on any device.

It's easy to focus on just the hardware when you sell an LED sign. But sharing the software's selling points further convinces your customers to buy. The control solution we offer combines functionality with a great user experience that is innovative and yet easy to use.



CLOUD-BASED SOFTWARE ACCESS FROM ANY DEVICE

Venus® Control Suite is browser based, so users can access the software from any device with an Internet connection—smartphones, tablets, laptops, and desktops.





SECURE SOLUTION, WE TAKE CARE OF IT

Daktronics hosts the Venus Control Suite on our secure servers, so we take care of computer software and operating system compatibility. We also ensure that your customer always has access to the latest version.

FLEXIBLE EXPERIENCE FITS ANY OPERATOR

Venus Control Suite adjusts to meet the needs of any level of user. From basic to advanced, this system works for everyone.

FEATURES & BENEFITS:

- > Easily import graphics and organize files:
 - > Drag-and-drop content directly to media library.
 - > Use tagging to quickly manage media.
- > Choose simple to sophisticated scheduling and multiple playlists.
- > Secure hosted servers and communication eases IT needs.
- > Use the dashboard to see the status and content on your display.
- ➤ Use from your smartphone—this software is mobile optimized.
- > Get the latest feature updates automatically.
- > Multiple authorized user access

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To help support your sale, we've put together a Venus® Control Suite web area and software videos. Use daktronics.com/venus when you call on your next customer.

EVEN BEFORE INSTALLATION, CUSTOMERS BEGIN CONTENT CREATION

As soon as we create your customers' account, they can access the software and start creating content. Using the free, professionally created content that comes with the display will speed up and enhance their ad campaigns.



Offer your customers self-guided training to successfully set up and operate Venus Control Suite software at daktronics.com/venuslearning

YOUR CUSTOMERS WANT MORE?

We tailor Venus Control Suite for your customers' needs. To do this we have different packages available to choose from. All of the features explained are part of the Prime software package, which comes with each display purchase. If your customers are interested in more, they can upgrade to the Pro package, which adds features such as:

External Data Feeds

Pull in real time information, such as weather forecasts, news, headlines, and sports scores from any Internet provided data source and display it on your LED message center.

Reporting (proof of play)

Access reports showing what played on your display, how many times, and when. Compare the report to your sales numbers and promote product lift.

For more details on packages, talk to your local sales representative.

FREE VIDEO TUTORIALS

Daktronics provides your customers with a set of free tutorials. They're a great way to learn the software or to use as a refresher course.

Each video tutorial demonstrates how to perform a specific task in the software. Learn how to configure displays, create memorable presentations, schedule playlists, and more.

Find the complete set of tutorials at daktronics.com/venuslearning

IMPORTABLE FILE TYPES

| Video file types | .avi, .mpg, .mp4, .mov |
|------------------|---|
| Image file types | .png, .bmp, .gif, .jpg, .tif, .tiff, .psd |
| Data feed types | Time, Temp, RSS*, Atom*, .XML* |

^{*}Only on data capable displays.

SUPPORTED MOBILE BROWSERS

Mozilla Firefox®

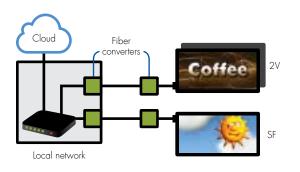
| iOS Safari® |
|---|
| Android® Chrome® |
| SUPPORTED DESKTOP BROWSERS |
| Microsoft® Internet Explorer® v11 and new |
| Microsoft® Edge® |
| Google® Chrome® |

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Ethernet network is necessary for GS6 displays.

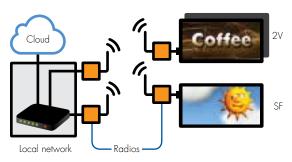
The Galaxy® GS6 displays need an Internet connection to reach out to the cloud based Venus control system for content and schedule updates. Daktronics offers several Ethernet based communication options that can be added to a customer's local area network for Internet access.



ETHERNET FIBER OPTIC

Fiber Optic is the most reliable communication option offered. Electrically isolated fiber optics prevent damage due to electromagnetic interference from lightning or electrical storms.

- ➤ Distance from the Ethernet network router to the display must be less than 6,547 ft (2,000 m).
- This option requires fiber-optic signal converters and 62.5µm multi-mode fiber-optic cables.



ETHERNET BRIDGE RADIO

Provides a wireless connection to Local Area Network on site.

- ➤ Use this option when fiber Ethernet cannot be pulled and the distance from the Ethernet network router to the display is less than 1,500 ft (450 m).
- > This option requires outdoor installation for direct line of sight between server radio at the building and client radio at the display.
- This option is not recommended where significant RF interference exists (RF interference could be caused by cellular towers, radio/TV stations, wireless headsets, etc.).

Note: Wireless communication devices may be affected by site-specific conditions. Daktronics does not guarantee that wireless communication is suitable for every location.

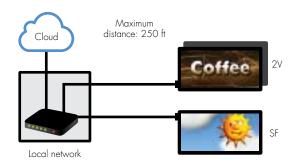
6S6

COMMUNICATION OPTIONS

Fiber optic is the fastest, most reliable communication option available.

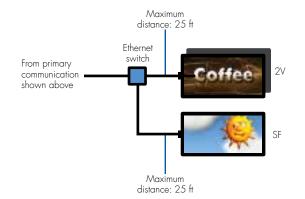
ETHERNET CAT5

- > Use when fiber Ethernet cannot be pulled and the distance from the Ethernet network router to the display is less than 250 ft (76.2 m).
- > This option requires direct CAT5 wire.



ETHERNET SWITCH

- > Use when multiple displays are on a single Ethernet connection from the above options.
- > Displays must be within 25 ft.
- > This requires each display to have different IP addresses.



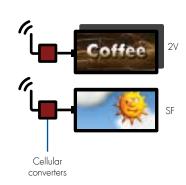
REMOTE CELLULAR

Provides an Internet connection without a Local Network.

- Avoid customer's network by having the display connect directly via cellular.
- > Use when there is not a Local Area Network or Internet connection available on site.

Note: Each display must be located in a reliable cellular signal area This connection does require a cellular service.

| PERFORMANCE TRAITS | ETHERNET FIBER OPTIC | ETHERNET Bridge radio | ETHERNET CAT5 | REMOTE CELLULAR |
|--|-------------------------|--------------------------|------------------|--------------------|
| Max. distance from local network router to display | 1.2 miles | 1,500 feet | 250 feet | unlimited |
| Reliability | best | good | good | good |
| Noise immunity | best | good | good | good |
| Data speed | best | good | best | good |



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GALAXY GS6 PRODUCT DESIGN



GALAXY GS6 FEATURES

This is the best full-feature, high-quality Galaxy series yet - Galaxy GS6. This product provides users a display that runs outstanding graphics and animations using the best contrast in the industry. As for the control software, we've developed the most convenient user experience to date.

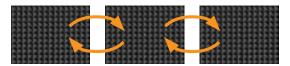
15.85 mm

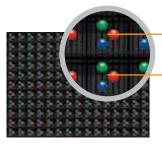
SIGNAL REDUNDANCY

FRONT VENTILATION

The installer doesn't need to deal with

Image data is sent to individual LED modules from multiple directions. If a signal path fails, the module continues to operate from the additional signal.





HIGHER RESOLUTION

A true 15.85 millimeter pixel spacing allows more pixels per module resulting in higher resolution.



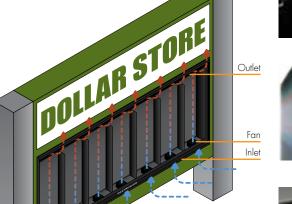
ALL SEALED COMPONENTS

Modules, power supplies, controller, power term panel, fan, and all connections fully sealed.



QUICK CONNECTIONS

Offer plug-and-play capability. Along with an external junction box for easy power connection.





SINGLE-STEP MODULE REMOVAL

A single turn of the wrench removes the multi-point attached module.

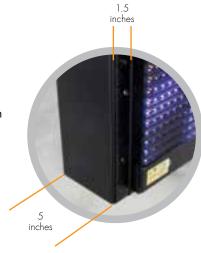


MOUNTING CLIPS

Slotted clip angles and multiple locations allows flexibility in mounting.

IMPROVED, CLEAN CABINET **APPEARANCE**

- > Narrow cabinet borders.
- > Shallow 5-inch cabinet depth on displays up to 7 feet tall.



FEATURE SET

- > All sealed components
- > Quick connects
- > Mounting clips
- > High contrast louvers
- > Redundant module signal
- > Large sections for fast installation
- > Front ventilation on displays less than seven feet tall
- > No spreader beam required for displays greater than seven feet tall
- > Same module size and cabinet size for all pixel pitches

SERIES TECHNICAL SPECIFICATIONS

Estimated LED Lifetime

100,000+ hours

Contrast Enhancement

Non-reflective black louvers and module face

Message Capability

grooves disperse light Text, graphics, logos, basic animation, video clips,

data integration, multiple font styles, and sizes Venus® Control Suite

Control Software Power

120, 120/240 VAC single phase

Display Dimming

64 levels (automatic, scheduled or manual control) Ethernet Fiber Optic, Ethernet Bridge Radio,

Communication Options

Remote Cellular, Ethernet CAT5

Operating Temperature

-40°F to 120°F with 99% RH non-condensing UL and cUL Listed, UL-Energy Verified,

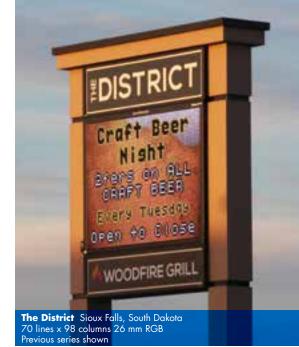
Compliance Information

FCC compliance

5 Years

Warranty Coverage Product Support

Parts support for 10 years, see page 6 for details



RELBLTY

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CMR SVC INSTALL

CRV SVC

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DVX



Graham Automotive Sioux Falls, South Dakota 154 lines x 176 columns 16 mm RGB Previous series shown



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GS6 15.85 MM MONOCHROME & COLOR

After calculating the physical space you want to fill, use this chart to determine the corresponding display size. Additional sizes are available as a special order. For square footage, refer to the specifications in the back of the catalog.

DISPLAY

DISPLAY CONFIGURATION

All sizes are available in single-face (SF) or two-view (2V) configurations.



Single-face (SF) Available in all sizes



Available in all sizes

| | cabine dimen | et sions | | 2'6" | 6.9 | 8'1" | 19.6 | 10'8" | 12'0" | 13'3" | 14'7" | 15'11" | 17'2" | 18'6" | 19'9" | 21'1" | 22'5" | 23'8" | 25'0" | 26'3" |
|------------|-----------------|-------------|--------|------|------|-------|------|--------|-------|-------|--------|--------|--------|-------|-------|--------|-------|--------|-------|-------|
| | | active | | 5'3" | 1919 | 7'10" | 9'2" | 10'5" | 11'9" | 13'0" | 14'4" | 15'8" | 16'11" | 18'3" | 19'6" | 20'10" | 22'2" | 23'5" | 24'9" | 26'0" |
| | | | matrix | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 |
| | 1'7" | 1'1" | 20 | | | | | | | | | | | | | | | | | |
| | 2'7" | 2'1" | 40 | | | | | | | | | | | | | | | | | |
| | 3'8" | 3'2" | 60 | | | | | | | | | | | | | | | | | |
| | 4'8" | 4'2" | 80 | | | | | | | | | | | | | | | | | |
| | 5'9" | 5'3" | 100 | | | | | | | | | | | | | | | | | |
| | 6'9" | 6'3" | 120 | | | | | | | | | | | | | | | | | |
| | | | | 9.6" | 10.7 | 8'4" | 1816 | 10'11" | 12'3" | 13'6" | 14'10" | 16'2" | 17'5" | 18'9" | 20'0" | 21'4" | 22'8" | 23'11" | 25'3" | 26'6" |
| | 7'10" | 7'4" | 140 | | | | | | | | | | | | | | | | | |
| | 8'10" | 8'4" | 160 | | | | | | | | | | | | | | | | | |
| Ž | 9'11" | 9'5" | 180 | | | | | | | | | | | | | | | | | |
| בוטר בי | 10'11" | 10'5" | 200 | | | | | | | | | | | | | | | | | |
| . | 12'0" | 11'6" | 220 | | | | | | | | | | | | | | | | | |
| | 13'0" | 12'6" | 240 | | | | | | | | | | | | | | | | | |
| | 14'1" | 13'7" | 260 | | | | | | | | | | | | | | | | | |
| | 15'1" | 14'7" | 280 | | | | | | | | | | | | | | | | | |
| | 16'2" | 15'8" | 300 | | | | | | | | | | | | | | | | | |
| | 17'2" | 16'8" | 320 | | | | | | | | | | | | | | | | | |
| | 18'3" | 17'9" | 340 | | | | | | | | | | | | | | | | | |
| | 19'3" | 18'9" | 360 | | | | | | | | | | | | | | | | | |

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GS6 19.8 MM MONOCHROME & COLOR

After calculating the physical space you want to fill, use this chart to determine the corresponding display size. Additional sizes are available as a special order. For square footage, refer to the specifications in the back of the catalog.

DISPLAY

DISPLAY CONFIGURATION

All sizes are available in single-face (SF) or two-view (2V) configurations.



Single-face (SF) Available in all sizes



Available in all sizes

| | cabine dimens | | | 5'6" | 6.9 | 8'1" | 9'5" | 10'8" | 12'0" | 13'3" | 14'7" | 15'11" | 17'2" | 18'6" | 19'9" | 21'1" | 22'5" | 23'8" | 25'0" | 26'3" |
|----------------|------------------|-----------------|--------|------|------|-------|------|--------|-------|-------|--------|--------|--------|-------|-------|--------|-------|--------|-------|-------|
| | | active dimen | | 5.3" | 1919 | 7'10" | 9'2" | 10'5" | 11'9" | 13'0" | 14'4" | 15'8" | 16'11" | 18'3" | 19'6" | 20'10" | 22'2" | 23'5" | 24'9" | 26'0" |
| | | | matrix | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 |
| | 1'7" | 1'1" | 16 | | | | | | | | | | | | | | | | | |
| | 2'7" | 2'1" | 32 | | | | | | | | | | | | | | | | | |
| | 3'8" | 3'2" | 48 | | | | | | | | | | | | | | | | | |
| | 4'8" | 4'2" | 64 | | | | | | | | | | | | | | | | | |
| | 5'9" | 5'3" | 80 | | | | | | | | | | | | | | | | | |
| | 6'9" | 6'3" | 96 | | | | | | | | | | | | | | | | | |
| | | | | 16.5 | 10.7 | 8'4" | 8.6 | 10'11" | 12'3" | 13'6" | 14'10" | 16'2" | 17'5" | 18'9" | 20'0" | 21'4" | 22'8" | 23'11" | 25'3" | 26'6" |
| GFT | <i>7</i> '10" | 7'4" | 112 | | | | | | | | | | | | | | | | | |
| DISPLAY HEIGHT | 8'10" | 8'4" | 128 | | | | | | | | | | | | | | | | | |
| LAY | 9'11" | 9'5" | 144 | | | | | | | | | | | | | | | | | |
| SISP | 10'11" | 10'5" | 160 | | | | | | | | | | | | | | | | | |
| _ | 12'0" | 11'6" | 176 | | | | | | | | | | | | | | | | | |
| | 13'0" | 12'6" | 192 | | | | | | | | | | | | | | | | | |
| | 14'1" | 13'7" | 208 | | | | | | | | | | | | | | | | | |
| | 15'1" | 14'7" | 224 | | | | | | | | | | | | | | | | | |
| | 16'2" | | | | | | | | | | | | | | | | | | | |
| | 17'2" | | | | | | | | | | | | | | | | | | | |
| | 18'3" | | | | | | | | | | | | | | | | | | | |
| | 19'3" | 18'9" | 288 | | | | | | | | | | | | | | | | | |

686





Single-section Front-ventilated 5" deep formed cabinet Spare parts optional

IÁP optional

Single-section Rear-ventilated 8" deep extruded cabinet Spare parts included

Multi-section Rear-ventilated 8" deep extruded cabinet Spare parts included

WIDTH

| 27'4" | 28'8" | 29'11" | 31'3" | 32'6" | 33'10" | 35'2" | 36'5" | 3719" | 39'0" | 40'4" | 41'8" | 42'11" |
|--------|-------|--------|-------|-------|--------|-------|--------|-------|-------|--------|-------|--------|
| 420 | | 460 | 480 | 500 | | 540 | 560 | 580 | 600 | 620 | 640 | 660 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | SI7 | Fς | Δ\/Δ | ПΔ | BLE | Δς | SPI | ECI. | ΔΙζ | JBL |)FR | |
| | JIZ | LJ / | ~ * / | VIL/ | DLL | 73 | 011 | | | | LI | |
| | | | | | | | | | | | | |
| | | | | | | | | | | _ | | |
| 27'10" | 29'2" | 30'5" | 31'9" | 33'0" | 34'4" | 35'8" | 36'11" | 38'3" | 39'6" | 40'10" | 42'2" | 43'5" |
| 2. | 7 | Ö | က | က် | က် | က် | ň | Ö | ň | 4 | 4 | 4 |
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TECHNICAL SPECIFICATIONS

| Character Height | 5.5" (7 pixel font) |
|------------------|---------------------|
| Line Spacing | 19.8 mm (0.78") |

Monochrome: 1 red or 1 amber **Pixel Configuration** RGB:1 red, 1 green, 1 blue Monochrome red: 4,500 nits Maximum Monochrome amber: 6,000 nits **Brightness** RGB: 11,000 nits

Monochrome 4,096 shades of red or amber **Color Capability**

281 trillion colors **Full Color Capability**

140 degrees horizontal **Optimal Viewing Angle** 70 degrees vertical

160 degrees horizontal Readability Angle 90 degrees vertical

Min Viewing Distance 45'

MODEL NUMBER GUIDE

| | _ | | _ | | | | | | | _ |
|--------|---|------------|---|--------------|---|--------------|---|---------------------------------|---|------------------------|
| GS6 | - | 80 | х | 200 | - | 19.8 | - | Α | - | SF |
| Series | | Lines High | | Columns Wide | | Line Spacing | | LED Color Red, Amber, or RGB | | ingle Face or Two View |
| | | | | | | | | | | |

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GS6 26





GS6 26.4 MM MONOCHROME & COLOR

After calculating the physical space you want to fill, use this chart to determine the corresponding display size. Additional sizes are available as a special order. For square footage, refer to the specifications in the back of the catalog.

DISPLAY

DISPLAY CONFIGURATION

All sizes are available in single-face (SF) or two-view (2V) configurations.



Single-face (SF) Available in all sizes



Available in all sizes

| | | | | DISPLAT | | | | | | | | | | | | | | | | |
|----------------|-----------------|-----------------|----------------|---------|------------|-------|-------|--------|-------|-------|--------|--------|--------|-------|-------|--------|-------|--------|-------|-------|
| | cabine dimen | et sions | | 5'6" | 6.9 | 8.1. | 1.5.6 | 10'8" | 12'0" | 13'3" | 14'7" | 15'11" | 17'2" | 18'6" | 19.9" | 21'1" | 22'5" | 23'8" | 25'0" | 26'3" |
| | | active dimer | area nsions | 5'3" | 1919 | 7'10" | 912" | 10'5" | 11'9" | 13'0" | 14'4" | 15'8" | 16'11" | 18'3" | 19'6" | 20'10" | 22'2" | 23'5" | 24'9" | 26'0" |
| | | | matrix | 60 | <i>7</i> 5 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 | 285 | 300 |
| | 1'7" | 1'1" | 12 | | | | | | | | | | | | | | | | | |
| | 2'7" | 2'1" | 24 | | | | | | | | | | | | | | | | | |
| | 3'8" | 3'2" | 36 | | | | | | | | | | | | | | | | | |
| | 4'8" | 4'2" | 48 | | | | | | | | | | | | | | | | | |
| | 5'9" | 5'3" | 60 | | | | | | | | | | | | | | | | | |
| | 6'9" | 6'3" | 72 | | | | | | | | | | | | | | | | | |
| | | | | 2.9" | 7'0" | 8'4" | 18.6 | 10'11" | 12'3" | 13'6" | 14'10" | 16'2" | 17'5" | 18.6" | 20'0" | 21'4" | 22'8" | 23'11" | 25'3" | 26'6" |
| GHT | <i>7</i> '10" | 7'4" | 84 | | | | | | | | | | | | | | | | | |
| | 8'10" | 8'4" | 96 | | | | | | | | | | | | | | | | | |
| الم | 9'11" | 9'5" | 108 | | | | | | | | | | | | | | | | | |
| DISPLAY HEIGHT | 10'11" | 10'5" | 120 | | | | | | | | | | | | | | | | | |
| | 12'0" | 11'6" | 132 | | | | | | | | | | | | | | | | | |
| | 13'0" | 12'6" | 144 | | | | | | | | | | | | | | | | | |
| | 14'1" | 13'7" | 156 | | | | | | | | | | | | | | | | | |
| | 15'1" | 14'7" | 168 | | | | | | | | | | | | | | | | | |
| | 16'2" | 15'8" | 180 | | | | | | | | | | | | | | | | | |
| | 17'2" | 16'8" | 192 | | | | | | | | | | | | | | | | | |
| | | 17'9" | | | | | | | | | | | | | | | | | | |
| | 19'3" | 18'9" | 216 | | | | | | | | | | | | | | | | | |

Rock-solid reliability—proprietary silicone encapsulant, developed by a leading petrochemical company specifically for Daktronics, fully seals module front and back.

SMD video displays include a 281-trillion color capability, feature low power consumption, and exceptional reliability. SMD video displays also provide your customers with outstanding graphics, easy control, and a competitive price.

DVX FEATURE SET

- Sealed components prevent corrosion.
- Signal redundancy minimizes message disruption.
- High-contrast louver design deflects light away from intended audience producing rich colors.
- Daktronics offers a field calibration service to maximize performance over the life of the display.

DVNMC FEATURE SET

- Very tight resolutions for foot traffic under 20 feet.
- Non-ventilated design for simple intallation.
- Single-section cabinets for fast installation.

SERIES TECHNICAL SPECIFICATIONS

| <u></u> | 11.07.12 | <u> </u> |
|-----------------------------|---------------|---|
| Estimated LED Lifetime | 100,000 |)+ hours |
| Contrast Enhancement | DVX: | Non-reflective black louvers and module face grooves disperse light |
| Cabinat Configuration | DVX: | Rear-ventilated multi-section cabinet |
| Cabinet Configuration | DVNMC | : Non-ventilated single-section cabinet |
| Content Capability | DVX: | Text, graphics, full or live video, and data integration |
| Comem capability | DVNMC | Text, graphics, pre-recorded video, and data integration |
| Control Software | Venus® C | ontrol Suite |
| Power | 120/240 | 0 VAC single phase |
| Display Dimming | DVX: DVNMC | 256 levels (automatic, scheduled or manual): 256 levels (scheduled or manual) |
| Communication Options | DVX: | Ethernet Fiber Optic, Ethernet Bridge Radio, Ethernet CAT5 |
| | DVNMC | : Ethernet Fiber Optic, Ethernet CAT5 |
| On a wetting Taman a weturn | DVX: | -40°F to 122°F with 99% RH non-condensing |
| Operating Temperature | DVNMC | :-40°F to 95°F |
| Compliance Information | ETL Listed | d, FCC compliance |
| Warranty Coverage | 5 Years | |
| Product Support | Parts sup | port for 10 years, see page 6 for details |
| | | |





Westfield Old Orchard Shopping Center Skokie, Illinois 540 lines x 390 columns 10 mm DVX series



RELBLTY FINCG

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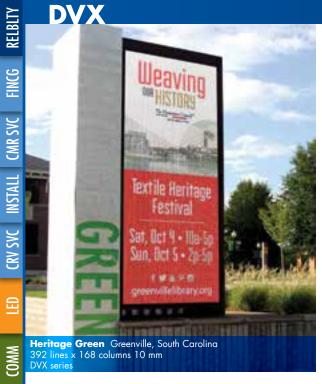
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OUTDOOR **DVX 10 mm**

MODEL NUMBER GUIDE

DVX - 1801 - 10 MN - 120 x 168 Lines High Line Spacing Outdoor Series Outdoor SMD

TECHNICAL SPECIFICATIONS

| Character Height | 2.8" (7 pixel font) |
|------------------------------|--|
| Line Spacing | 10.16 mm (0.4") |
| Pixel Configuration | 3-in-1 SMD |
| Maximum Brightness | 6,000 nits |
| Color Capability | 281 trillion colors |
| Optimal Viewing Angle | 160 degrees horizontal 70 degrees vertical |
| Min Viewing Distance | 21' |

DISPLAY WIDTH

| | | cabinet dimensions | | | 6'4" | 1.7.1 | 8'9" | 10.01 | 11'2" | 12'4" | 13'7" | 14'9" | 16'0" | 17'2" | 18'4" | 19'7" |
|---------|-------|------------------------|--------|-------|------|-------|------|-------|--------|-------|-------|-------|-------|--------|-------|-------|
| | | active area dimensions | | 4'10" | 10.9 | 7'3" | 8'5" | 1816 | 10'10" | 12'0" | 13'3" | 14'5" | 15'8" | 16'10" | 18'0" | 19'3" |
| | | | matrix | 144 | 180 | 216 | 252 | 288 | 324 | 360 | 396 | 432 | 468 | 504 | 540 | 576 |
| | 2'9" | 2'5" | 72 | | | | | | | | | | | | | |
| | 4'0" | 3'8" | 108 | | | | | | | | | | | | | |
| | 5'2" | 4'10" | 144 | | | | | | | | | | | | | |
| | 6'4" | 6'0" | 180 | | | | | | | | | | | | | |
| | 7'7" | 7'3" | 216 | | | | | | | | | | | | | |
| | 8'9" | 8'5" | 252 | | | | | | | | | | | | | |
| Ē | 10'0" | 9'8" | 288 | | | | | | | | | | | | | |
| Z | 11'2" | 10'10" | 324 | | | | | | | | | | | | | |
| DISPLAT | 12'4" | 12'0" | 360 | | | | | | | | | | | | | |
| _ | 13'7" | 13'3" | 396 | | | | | | | | | | | | | |
| | 14'9" | 14'5" | 432 | | | | | | | | | | | | | |
| | 16'0" | 15'8" | 468 | | | | | | | | | | | | | |
| | 17'2" | 16'10" | 504 | | | | | | | | | | | | | |
| | 18'4" | 18'0" | 540 | | | | | | | | | | | | | |

INDOOR DVNMC 6 mm & 10 mm



MODEL NUMBER GUIDE

DVNMC - 601 - 120 x 168 - 10 - RGB - SF Line Spacing Œ

DISPLAY WIDTH

| | cabine dimen | | | 4'0" | 10.9 | 8'0" | 10'0" | 14'0" |
|----------------|-----------------|-----------------|--------|------|------|------|-------|-------|
| | | active dimer | | 3'1" | 5'2" | 7'3" | 14.6 | 13'6" |
| | | | matrix | 144 | 240 | 336 | 432 | 624 |
| H | 3'0" | 2'1" | 96 | | | | | |
| DISPLAY HEIGHT | 4'0" | 3'1" | 144 | | | | | |
| Ħ | 5'0" | 4'2" | 192 | | | | | |
| LA) | 6'0" | 5'2" | 240 | | | | | |
| DIS | 6'6" | 6'3" | 288 | | | | | |

TECHNICAL SPECIFICATIONS

| Character Height | 1.8" (7 pixel font) |
|-----------------------|------------------------|
| Line Spacing | 6.6 mm (0.26") |
| Pixel Configuration | 3-in-1 SMD |
| Maximum Brightness | 2,000 nits |
| Color Capability | 281 trillion colors |
| | 170 degrees horizontal |
| Optimal Viewing Angle | +60 degrees vertical |
| | -80 degrees vertical |
| Min Viewing Distance | 15' |
| • | |

DISPLAY WIDTH

| | cabine dimen | | | 4'0" | 10.9 | 10.8 | 10'0" | 14'0" |
|---------|-----------------|--------|--------|------|------|------|-------|-------|
| | | active | | 3-1= | 5'2" | 7'3" | 14.6 | 13'6" |
| | | | matrix | 96 | 160 | 224 | 228 | 416 |
| | 3'0" | 2'1" | 64 | | | | | |
| | 4'0" | 3'1" | 96 | | | | | |
| | 5'0" | 4'2" | 128 | | | | | |
| DISPLAT | 6'0" | 5'2" | 160 | | | | | |
| 2 | 6'6" | 6'3" | 192 | | | | | |

TECHNICAL SPECIFICATIONS

| Character Height | 2.8" (7 pixel font) |
|-----------------------|--|
| Line Spacing | 9.9 mm (0.39") |
| Pixel Configuration | 3-in-1 SMD |
| Maximum Brightness | 2,000 nits |
| Color Capability | 281 trillion colors |
| Optimal Viewing Angle | 170 degrees horizontal +60 degrees vertical -80 degrees vertical |
| Min Viewing Distance | 22' |



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INSTALL CMR SVC FINCG

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RIGHT PRODUCT INDOORS AND OUT

Daktronics is comfortable stepping outside the box and we're ready to help you successfully complete your video project. After all, we dedicate millions of dollars annually to research and development to stay on the industry's cutting edge. Our experience includes years of working with complex systems and large video display installations throughout the world.

OUTDOOR LED VIDEO

- ▶ 360-degree sealed module and power supply weather protection
- > Efficient installation with sectional cabinet design
- > Blacker display for higher contrast resulting in sharper images
- > Wider viewing angles and premium brightness
- > Mix of pixel pitches to fit any application

INDOOR LED VIDEO

- > Module-based design allows any display size
- > Powerful processing for simultaneous standard definition, HD, and computer graphics feeds
- > Multiple windows per screen of live video, advertising, and real-time information
- > SMD LED for up-close viewing, superior color blending, and amazing viewing angles

PROPIXEL® FREEFORM VIDEO ELEMENTS

- > Stick or puck video elements mount to any surface or structure
- > See-through applications to mount externally on windows
- Advanced color matching to blend product with the background color
- > Pixel mapping to maintain image integrity across uneven and curved surfaces

DIGITAL STREET FURNITURE DISPLAYS

- > Eye-level digital advertising and timely information in outdoor public spaces
- > Reaching slow-moving vehicular and pedestrian traffic
- > Sleek design complements surrounding architecture
- > Variety of sizes and resolutions accommodate any region or application