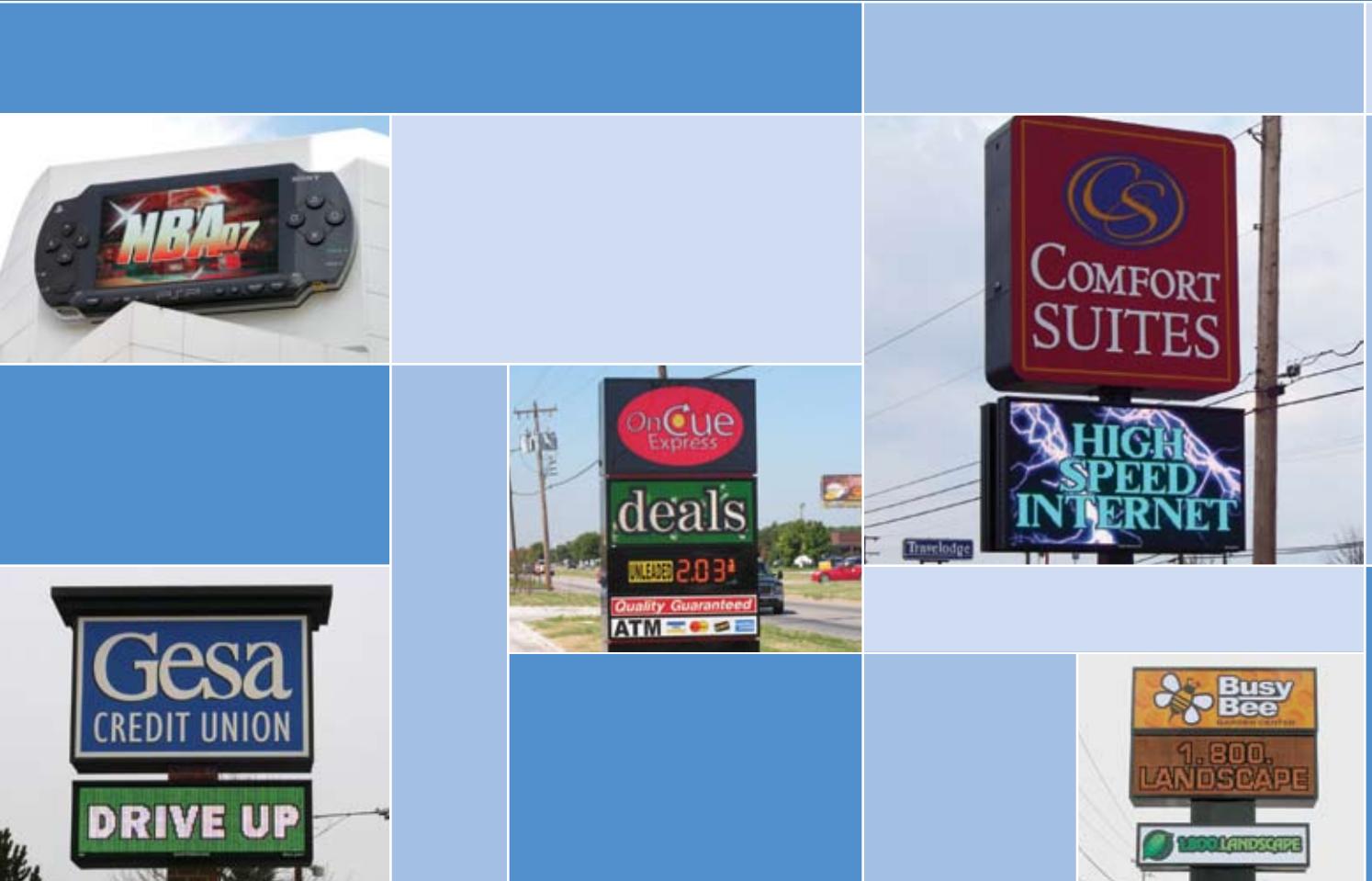


DAKTRONICS



Total Display Solutions

Programmable Display Systems Catalog
2007-2008



DAKTRONICS

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Top: Little Creek Casino Shelton, Washington 192 x 352 matrix 23 mm

Middle: Pineview Convenience Store Morley, Minnesota 32 x 80 matrix 34 mm, 24-inch digit DF-2100 Red and 24-inch digit DF-2100 Green

Bottom: Eternal Savior Lutheran Church Lafayette, Colorado 32 x 144 matrix 20 mm

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The Best Display

About Daktronics



Left: Keeneland Thoroughbred Race Course Lexington, Kentucky
256 x 512 matrix 23 mm and 128 x 512 matrix 23 mm

Daktronics designs, manufactures and ships the most innovative and highest quality products in the industry. Daktronics is recognized as the leader in LED display manufacturing.

Daktronics offers the following light emitting diode (LED) display types, including character-based, line-oriented, digit and full-matrix, for a wide variety of applications. Daktronics can help you determine the best display for any situation.

- **DataTime®** outdoor time and temperature are digit-based displays featuring four digits (red or amber) in a wide range of character sizes with ultra-bright LEDs that draw attention of passersby, provide a public service and make any facility that uses them a community landmark. 
- **DataMaster®** outdoor digit displays allow you to make immediate changes to fluctuating gas prices, hotel room rates, lottery jackpots, and event counters (red, amber, green); multi-purpose displays (red or amber) are also available. 
- **DataTrac™** indoor character-based, text-only displays allow you to show your audience multiple lines of vital text information, such as display employee messages, promotional information and scheduled events to employees, customers and visitors (red or RG).
- **InfoNet™** line-oriented displays provide a perfect solution to show customers information, promotions and public service announcements, in a small, one-line format (RG).
- **DAKTicker®** indoor displays attract and keep your audience on top of events with scrolling financial data, flight information, weather and sports and news headlines from external sources (RG). 
- **Galaxy®** indoor or outdoor full-matrix displays provide the most flexible solution available for a dynamic indoor or outdoor advertising medium with effective text messages or high-powered graphic images in either full color (32,768 colors) or monochrome red or amber (64 levels of shading). 
- **GalaxyPro™** outdoor full-matrix displays run pre-recorded video, text, graphics and animations in great detail and tempting color (68 billion colors) for true-to-life image reproduction. 
- **ProStar®** indoor or outdoor large-format displays use red, green and blue LEDs to add excitement to your facility with outstanding live video and graphic images (4.4 trillion colors).

The Best Display



Top: Atlantic Cellular Lewes, Delaware 16 x 144 matrix 34 mm

Middle: Leif's Auto Collision Portland, Oregon 13-inch digit DF-1010 Amber

Bottom: Elyria Memorial Hospital Elyria, Ohio 48 x 64 matrix 20 mm

About Daktronics

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Why Choose Daktronics?



Left: Board of Directors
2006 Ribbon cutting for new building addition

A+ Recognized for Excellence

Business 2.0 magazine ranks Daktronics as one of the fastest-growing tech companies in America in 2004 and 2002. Fortune Small Business magazine ranked Daktronics as one of the 100 fastest-growing small businesses in 2004, 2002, and 2001. From 2000 to 2004 and 2006 Forbes magazine rated Daktronics as one of the best small companies in America. Business Week ranked Daktronics on its list of America's Hot 100 Growth Companies in 2004 and 2001. Dr. Al Kurtenbach, at that time Daktronics Chairman and CEO, was named one of eight National Ernst & Young Entrepreneurs of the Year® in 2001. These organizations have discovered what tens of thousands of customers have known for years – our unwavering commitment to excellence.

#1 LED Display Provider in the World

Since 2001, Daktronics has been recognized as the world's leading supplier of LED displays by iSuppli (previously Stanford Resources), an independent research firm.

38 Years Serving Customers 1968-2007

Daktronics was founded in 1968. Its longevity can be attributed to a vision that continued over the 38-year-company history – to serve customers by listening to their needs and developing solutions through innovative products and services to meet those needs.

Experience

- In business for 38 years with installations for more than 52,000 customers in more than 100 countries.
- Tens of thousands of display systems designed and manufactured.
- Rooted in technology: founded by two South Dakota State University professors of electrical engineering in Brookings, S.D.

Products

- A variety of high-quality displays to suit any application.
- Tried and tested control systems.
- Safety-agency-approved displays that have been examined, inspected and approved as safe by an independent testing laboratory.
- Product design by one of four major engineering groups (Business Products, Sports Products, Video Products, Transportation Products) to meet customers' specific needs.

Services

- Regional sales staff provide technical support, sales materials and assist with on-site demonstrations.
- Project managers represent the customer, guiding projects through design to final installation.
- Leasing options provide a great way to finance new display equipment.
- Creative Services provides animation and video creation (please refer to page 54 in this catalog for more information).
- Technical Services provides technical support and on-site support (refer to page 5).
- Customer Service provides different programs to keep customers' display systems operating at maximum impact (refer to page 4 for more information).

Dedicated Work Force

- More than 2,900 dedicated employees.
- More than 45 Daktronics Sales and Service offices with sales and technical staff who support sales and installations throughout the United States; 8 international offices.

Financial Stability

- In business since 1968 and growing.
- Able to meet performance bond requirements for large projects.
- Listed on Nasdaq national market system as DAKT.

Engineering

- Continuous and significant investment in research and development.
- Focused product development groups analyze specific markets to develop solutions.

Why Choose Daktronics?

About Daktronics

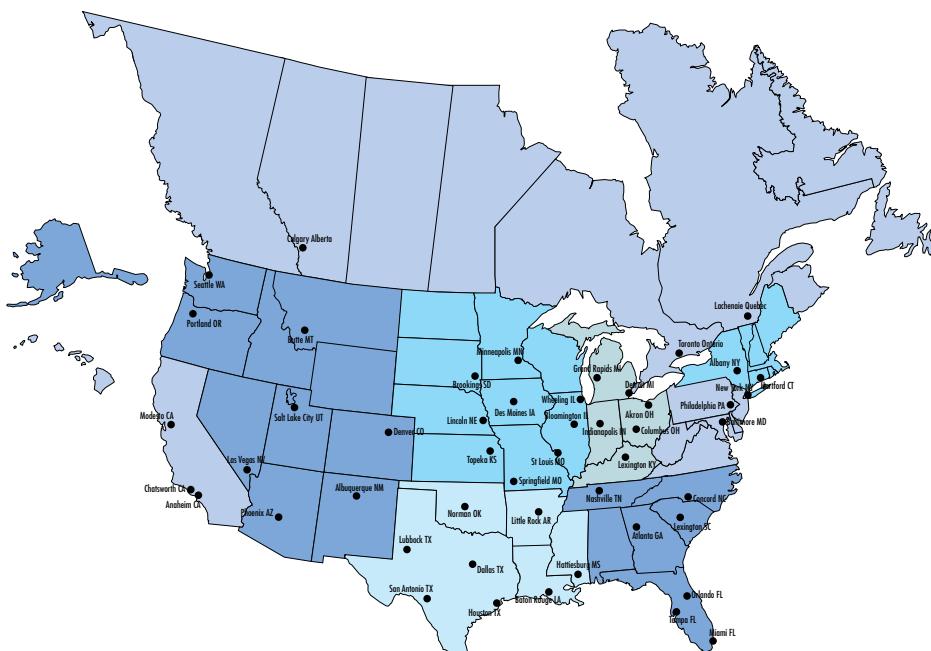


Daktronics Sales & Service (DSS) Offices

Daktronics understands the importance of being there for our customers. We offer several methods to support you, including:

- Product and software information
 - Site survey assistance
 - On-site product demonstrations
 - On-site training
 - Continuous training in the field
 - Annual sales and service seminar in Brookings, S.D.
 - Sales literature
 - Display content services, both creative and technical
 - Support throughout the life of the display, including on-site trouble-shooting
 - Sign code information
 - Installation assistance

Daktronics has more than 50 regional offices located throughout the United States and internationally, staffed with highly trained sales and technical service specialists, ready to provide the local service that is needed.



Manufactured in America

- Daktronics has three manufacturing facilities to accommodate our extensive product line.
 - At headquarters in Brookings, S.D., a modern, 510,000-square-foot facility holds 355,000 square feet that is dedicated to manufacturing.
 - In Sioux Falls, S.D., a facility with 120,000 square feet is dedicated to building digital billboards.
 - The third facility in Redwood Falls, Minn., a 95,000 square foot facility, is dedicated to building the Galaxy® product line.
 - These facilities are dedicated to deliver the highest quality products to meet customers' delivery schedules.
 - Equipment is continually upgraded to keep pace with ever-changing technology.
 - Focused-factory concept aligns distinct manufacturing areas with appropriate engineering groups.

Customer Service



Daktronics' services range from basic support to hands-free, turnkey display management solutions. Daktronics operates a best-in-class infrastructure and carefully crafts service offerings designed for the customer.

Daktronics' services maximize your display investment. From phone support and field technicians to Daktronics' Repair and Return program and extended service agreements, Daktronics delivers dependable, dedicated, and driven service.

Dedicated and driven service team

Experienced service coordinators answer calls from customers, order parts, dispatch service, and maintain a comprehensive history of each display in Daktronics' database. Customers who call in may speak with Daktronics-certified technical service specialists for troubleshooting and over-the-net linkup diagnostics. These specialists focus on the unique needs of commercial customers. Their familiarity with each display results in quick, responsive service.

Dependable parts delivery

Daktronics offers programs that minimize display down time.

Rapid Parts™ exchange program

Daktronics Rapid Parts exchange program delivers high-quality display components in a timely manner and effectively reduces display downtime. This unique program offers customers a quick and convenient way to fix a display system if a component fails. Once contacted by a customer, Daktronics sends a reconditioned replacement part from our extensive inventory within 24 hours. The replacement part includes a pre-paid return-shipping label for a customer to send the failed component back to Daktronics.

Repair and Return program

With Daktronics Repair and Return program, trained technicians within Daktronics' repair center quickly restore components that customers send in from the field. Well-organized workstations equip technicians to repair units for a quick turnaround.

Reseller support

Because Daktronics' display resellers are close partners to our business, Daktronics offers sign company personnel service training at our corporate headquarters. Can't make it to South Dakota? We'll set up a custom training session in your area.

Daktronics' Footprint

Daktronics doesn't just supply digital displays, but an entire support network of trained personnel in the field to take care of you. Our service footprint spans the nation, keeping Daktronics displays attracting customers for you...and for us.

Contact information

Contact our commercial market technical service specialists for support at:

866-343-3122

Technical Services



About Daktronics

Left: 745 Seventh Avenue Times Square, New York, New York
multiple displays at 16 mm and 23 mm

Technical Services

Remote Programming & Scheduling of Content

Daktronics Network Operations Center (NOC) provides programming, scheduling and account management services for display networks. Whether running a single display or multiple displays, LED or digital flat-panel, working with the NOC makes any display network run effectively and effortlessly.

Operator Training Seminars

Daktronics provides display software training for all Daktronics controllers including Venus® 1500 and Venus 7000 software. Operators learn to create, program and schedule display content. Daktronics offers a variety of seminar options to choose from.

Webinar Training



Interactive web training with phone instruction from a Daktronics trainer, enabling you to follow instructor's actions and ask questions.

Training at Daktronics



Located at Daktronics headquarters, attendees receive one-on-one training and a Daktronics facility tour.

Operator Training Seminars



Seminars are held several times a year throughout the United States. Participants receive in-person guidance for using your display software.

Phone Training



A Daktronics trainer provides training over the phone while you perform exercises on your display software.

On-Site Training



Daktronics trainers travel to your facility to provide personalized software training.

Customer Comments

"I thought the pace [of the training] was very good and she [the trainer] handled it very well. It was money well spent."

Joe Golden - Kenilworth Inn

"I know I can rely on the NOC staff for daily scheduling, as well as in any emergency situations we may encounter with our clients. In addition, Daktronics NOC goes above and beyond their realm of services to ensure that our product continues to look great and operate correctly. It is a very easy pleasure to work with the NOC. Daktronics and Clear Channel Outdoor have developed a strong relationship that can only lead to a successful future."

Joyce Fijalkovich - Clear Channel Outdoor



Choosing the Right Display



The difference between indoor and outdoor

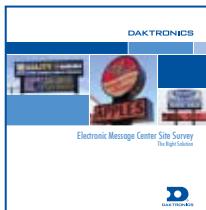
LED displays are specifically designed for either indoor or outdoor use. One main factor that differentiates an indoor display from an outdoor display is weather durability. Outdoor displays are designed to function properly in extreme weather conditions while indoor displays are not built to the same environmental standards.

A second factor differentiating an indoor from an outdoor display is that LEDs used for indoor applications are not bright enough to compete with outdoor ambient light conditions. Outdoor displays use LEDs that are designed to be bright enough for outdoor use.

Refer to the Table of Contents to find the correct section for indoor or outdoor product lines.

Additional support

For more information on how to choose the right display, Daktronics provides additional literature, such as *Informing the Sign Industry* and *Electronic Message Center Site Survey*.



There are many variables, that once considered, will make choosing the correct display easier. Contact your Daktronics representative for complete support on choosing the right display.

Consider minimum and maximum viewing distances

Different types of audiences require different display sizes and technologies.

Possible audience types:

- | | | | |
|------------------------|----------|--|--|
| Text PEDESTRIAN | Graphics | | ▪ Pedestrian Traffic (on foot) |
| Text CITY | Graphics | | ▪ City Traffic (25-45 mph, 40-72 km/h) |
| Text HIGHWAY | Graphics | | ▪ Highway Traffic (45-60 mph, 72-97 km/h) |
| Text FREeway | Graphics | | ▪ Freeway Traffic (60-75 mph, 97-121 km/h) |

To understand a message, the viewing audience must have sufficient time to read the content. Consider maximum and minimum viewing distances and the speed at which the audience is traveling (in a vehicle or on foot) to understand displaying size-appropriate images and text on an electronic display.

When people are traveling at 70 mph, if the letters and graphics of a display are too small, such as around 6 inches, once the travelers are close enough to see the content, they won't have enough time to read the entire message before they have passed it. Therefore, the larger the image or character size, the farther away it can be read, because the larger size gives the audience additional time to read and comprehend the message as they approach the display.

With a traffic application in a city, a much slower traveling audience and a much shorter maximum viewing distance would be common. It is important to not only consider the maximum viewing distance, but the minimum viewing distance as well. In this scenario, drivers need to be able to understand the messages being displayed right up until they are nearly parallel to the sign. For example: If one were to install a display in a city traffic scenario that is only capable of showing a 24-inch character, the viewing audience would find this message very difficult to read when close to the display. In this situation, a display with a 6-inch to 10-inch character may be more appropriate.

Please review the charts titled "Viewing Ranges" and "Galaxy® Resolution Recommendation" on page 9. These charts can help define the best display for an application based on character size and traffic speed.

Choosing the Right Display



Left: Leroy's Great Bear Tire
Bloomington, Minnesota
48 x 112 matrix 20 mm RGB

Technical Overview



The Right Display

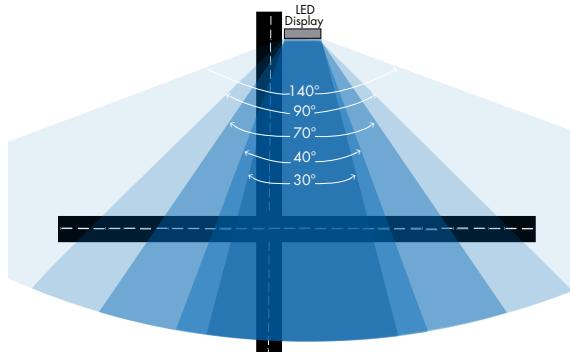
Where will the viewing audience be?

The exact placement of an electronic display in reference to the viewing audience is an important factor in determining the right product for an application. Consider two points when choosing a display based on where it will be installed.

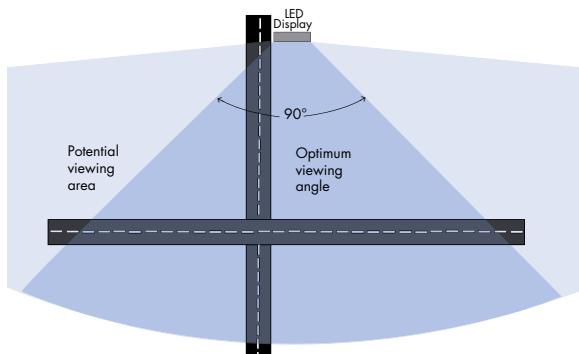
First, the placement of the display will affect minimum and maximum viewing distances.

Second, consider the angle at which the display can be effectively viewed. This is typically referred to as the viewing angle. Often, different LED displays have different viewing angles. The intended viewing audience must be within the viewing cone of the display.

Daktronics offers displays with various viewing angles to meet the needs of different viewing situations. Some applications require a wide viewing angle, others a focused viewing angle.



Optimum viewing angle is determined by the horizontal and vertical points at which the measured light intensity is 50 percent of that measured directly in front of the display.



Viewing area may exceed the optimum viewing angle depending on site-specific circumstances and ambient light conditions.

Communication method?

Many different ways exist for communicating with electronic message displays. Understanding the requirements of the display in this regard will help in choosing the right technology for the application. Some installations may have specific communication requirements. See pages 12-13 for more information on what type of communication options are available.

What content is needed?

Understanding the communication needs of the display owner is a very important factor in deciding which is the right product for a specific application.

Sample questions:

- Is color beneficial to the messages?
- Will the display show graphics as well as text?
- Will the display show video images?
- How many lines of copy will be displayed at one time?
- What type of messages will be communicated to the intended audience?

The answers to questions like these will help lead to the right technology choice.

LED, Pixel and Resolution



LED

LED is an abbreviation for light emitting diode. An LED is a solid-state electronic device that is much more efficient at creating light than an incandescent lamp. LEDs contain chemical compounds that emit light when electric current passes through them. Different chemical compounds emit different colors of light. Unlike incandescent lamps, LEDs have no filaments that can burn out or fail. Daktronics uses the highest quality LEDs from the top manufacturers in the world.

Pixel

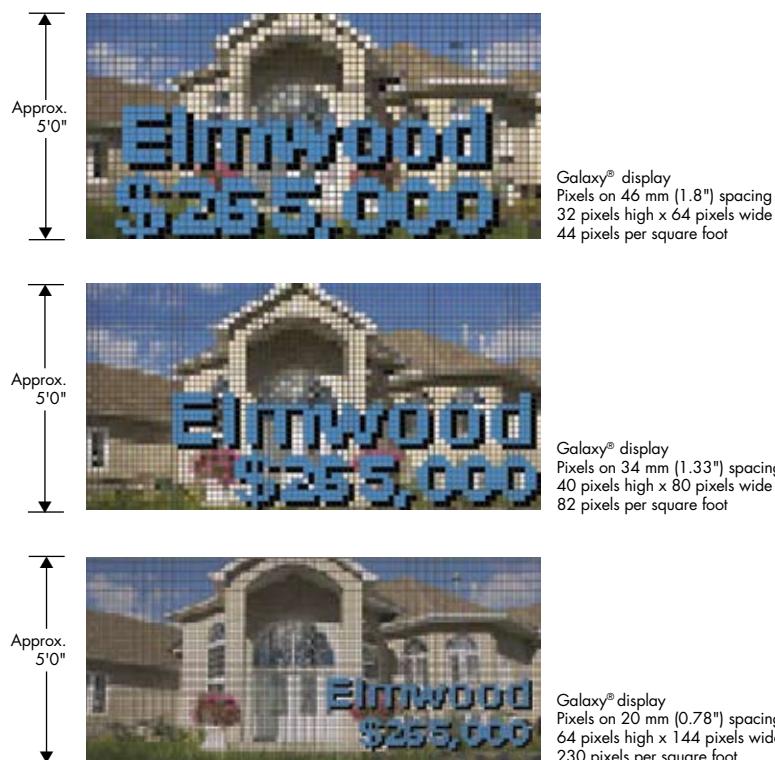
Pixel is short for picture element. Pixels are points of light that illuminate to form letters, words, graphics, animation and video images. A pixel can be made up of a single LED, multiple LEDs of the same color or multiple LEDs of different colors. A pixel is the smallest element of the electronic display system that can be individually controlled. It can be turned off or on at various brightness levels.



Pixels can be a single LED or multiple LEDs grouped together (six pixels, four LEDs per pixel are shown)

Resolution

Resolution is defined as the number of pixels contained in the physical area of an electronic display. The greater the number of pixels per square foot, the greater the amount of detail displayed. The three examples below show a house with pricing as if it was displayed on electronic message centers from the same distance, with different pixel spacing. Each of these three images represents an electronic display approximately five feet high.



Viewing, Resolution and Color



Left: Border Billboard
Tijuana, Mexico
224 x 320 matrix 23 mm RGB

Technical Overview



Viewing, Resolution

Text Viewing Ranges (approximate)

Use this table to help determine the appropriate character size for a display based on viewing distance or the speed at which the viewer may be traveling.

Maximum Viewing Time (seconds)									Character Size		Max. Viewing Distance	
5 mph (8 km/h)	15 mph (24 km/h)	25 mph (40 km/h)	35 mph (56 km/h)	45 mph (72 km/h)	55 mph (89 km/h)	65 mph (105 km/h)	75 mph (121 km/h)		in.	mm	ft.	m
13.7	4.6	2.7	1.9	1.5	1.2	1.1	0.9	2	51	100	30	
41.1	13.7	8.2	5.8	4.6	3.7	3.2	2.7	6	152	300	91	
61.6	20.5	12.3	8.8	6.8	5.6	4.7	4.1	9	229	450	137	
89.0	29.7	17.8	12.7	9.9	8.1	6.8	5.9	13	330	650	198	
123.3	41.1	24.6	17.5	13.7	11.2	9.5	8.2	18	457	900	274	
164.4	54.8	32.8	23.4	18.2	14.9	12.6	10.9	24	610	1,200	366	
246.6	82.2	49.2	35.1	27.3	22.3	18.9	16.4	36	914	1,800	549	
328.8	109.6	65.6	46.8	36.4	29.8	25.2	21.8	48	1,219	2,400	732	

■ Shaded areas represent an acceptable exposure time

Galaxy® Resolution Recommendation Chart (approximate)

Galaxy® displays have the capability to show text and graphics. Effective use of an electronic display for drive-by traffic must take into account the speed of the viewer's vehicle and the viewing distance. The table below can be used to determine the appropriate pixel pitch for a display application based on traffic speed and desired display content.

Speed		Pixel Pitch					
		7.6 mm (0.3")	12 mm (0.47")	20 mm (0.78")	34 mm (1.33")	46 mm (1.8")	89 mm (3.5")
5 mph (8 km/h)							
15 mph (24 km/h)							
25 mph (40 km/h)							
35 mph (56 km/h)							
45 mph (72 km/h)							
55 mph (89 km/h)							
65 mph (105 km/h)							
75+ mph (121 km/h)							

■ Text and Graphics Recommendation

■ Text Only Recommendation

Display Shading and Color

Many Daktronics displays show images with depth using shading. These examples show the clarity that can be achieved.



Monochrome 64 shades of red



Monochrome 64 shades of amber



RGB 32,768 colors



RGB 68 billion colors

Minimum Viewing Distances

This is the closest approximate distance when light emitted from individual pixels begin to blend together into a continuous picture.

Pixel Pitch	Min. Viewing Dist
12 mm (0.47")	20'
20 mm (0.78")	45'
34 mm (1.33")	75'
46 mm (1.8")	105'
89 mm (3.5")	200'

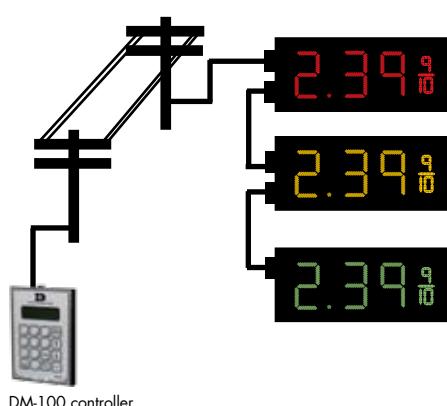
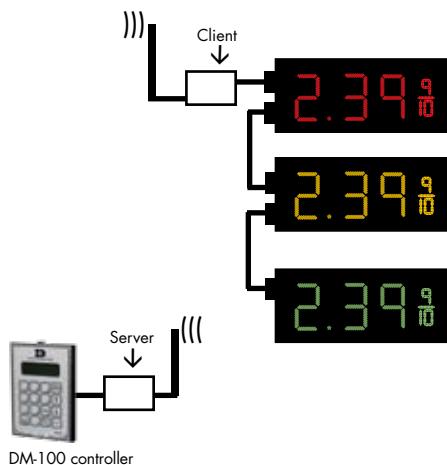
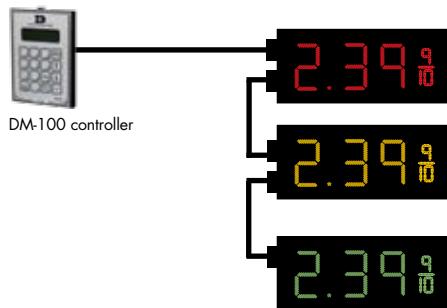
Technical Overview

Communication Digits



Communication Options ■ Digit Displays

Right: DM-100



Methods

There are several communication methods available for Daktronics digit displays. Some methods apply to all digit displays while others apply only to petroleum price displays. The environment and control requirements will determine which option is best suited for the application.

All Digit Displays

- DM-100 (DataMaster® hand-held unit)
- Fixed Mount Radio for DM-100 (long range, 1,500 ft, 2.4 GHz frequency)
- Land Line Modem for DM-100 (requires land line and telephone service)

Petroleum Price Displays only

- RC-50 (miniature "key fob," 4-product radio; short range, 100 ft, 400 MHz frequency)
- RC-100 (medium range radio, 500 ft, 900 MHz frequency)
- DM-100 Plus (for use with DF-2200 series displays only)

Direct Wire DM-100 (DataMaster® hand-held unit)

- Standard control method
- Two options are available: indoor direct wire or outdoor direct wire
- Control kit includes all components needed for control of display: DM-100 hand-held with 2-line, 16-character LCD readout, 12volt transformer, junction box with quick connect
- Indoor kit does not include the signal wire from display to junction box (max 2,000 ft)
- Capable of operating up to 5 product prices per sign

Fixed Mount Radio for DM-100

- Long range, 1,500 ft line of sight
- 2.4 GHz frequency with pass code and frequency hopping security
- Control kit includes radio transmitter, radio receiver, DM-100 controller and wiring
- Multiple receivers for each transmitter is allowed

Land Line Modem for DM-100

- Control kit includes dial out modem, junction box and DM-100 hand-held controller
- Sign kit includes receiver modem and quick connects
- Requires land line and telephone service at both display and control location
- Multiple signs may be controlled with one DM-100 (up to 20 phone numbers)
- Monthly phone line charges are responsibility of customer/end user

Communication Options ■ Digit Displays

Technical Overview

Communication Digits



Left: RC-100
Right: RC-50



RC-50 short range radio

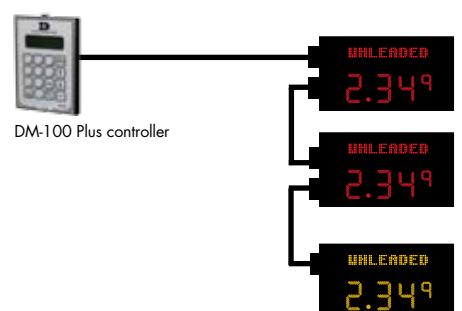
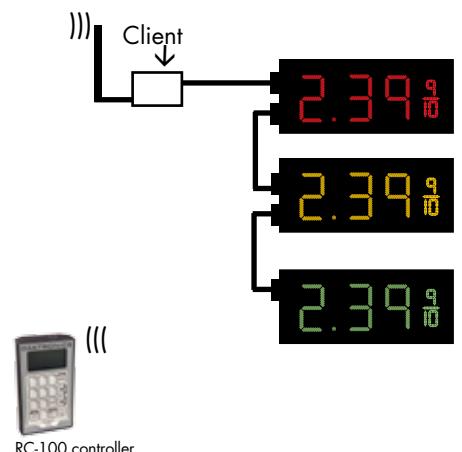
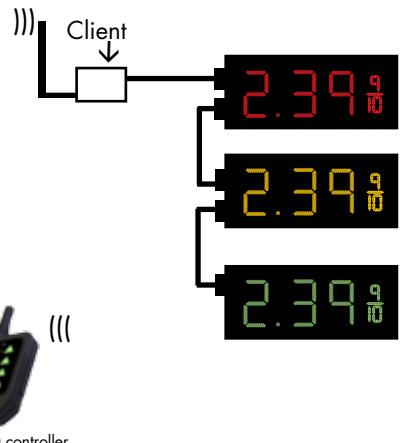
- Short range, 100 ft line of sight
- 400 MHz frequency range with dipswitch security settings
- Capable of operating up to four product prices per network
- Unlimited number of signs per network

RC-100 medium range radio

- Medium range, 500 ft line of sight
- 900 MHz frequency range with pass code security
- Capable of operating up to five product prices per network
- Unlimited number of signs per network

DM-100 Plus

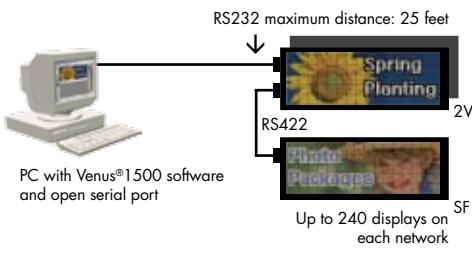
- Only works with the DF-2200 series displays
- Controls up to 13 product prices and text labels at one time
- Cell-phone-style text entry
- Messages can be set for variable hold times
- DM-100 fixed-mount radio can be added to this controller
- Unlimited number of signs per network



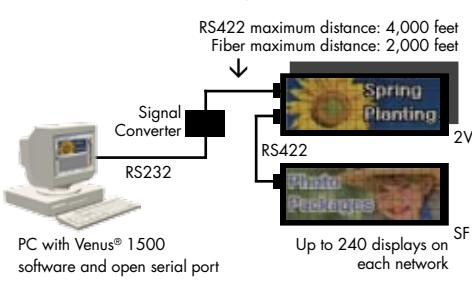
Technical Overview



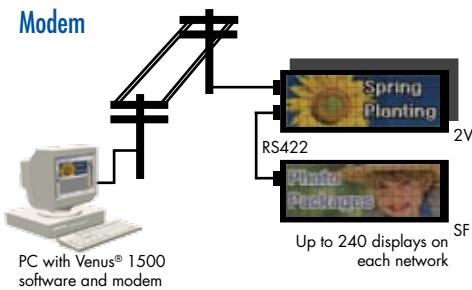
RS232



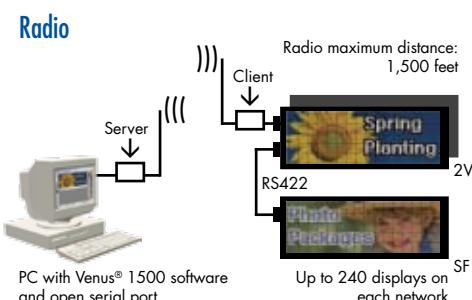
RS422 and Serial Fiber Optic



Modem



Radio



Communication Options ■ Matrix Displays

Methods

There are two main groups of communication options. They are serial communication and Ethernet communication. Each option within these two groups has unique features. The environment and control requirements will determine which option is best suited for the application.*

Serial communication

The methods included in this group require a serial connection between the control and the display. Daktronics provides RS232, RS422, serial fiber, modem and radio as options.

RS232 Network

- Used indoors when the distance between the computer and the display is less than 25 feet (7.6 m) (non-industrial environments)
- Used outdoors as a temporary communication interface (i.e. laptop connected to the display via a junction box located at the base of the display)

RS422 Network

- Used indoors when the distance between the computer and the display is less than 4,000 feet (1.2 km)
- Used outdoors when fiber optic cannot be used and the distance between the computer and the display is less than 4,000 feet (1,219 m)
- A signal converter is needed to convert the computer's RS232 signals to RS422

Serial Fiber Optic Network

Serial fiber optic is the most reliable communication option offered

- Used as a permanent communication interface when the distance between the computer and the display is less than 2,000 feet (600 m)
- Uses light pulses instead of electrical pulses to send and receive digital data
- Provides noise immunity and is reliable in areas where electromagnetic disturbances are prevalent (lightning, electrical storms)
- Signal converter is required to convert the computer's RS232 signals to fiber optic

Modem Network

- Remote communication interface that utilizes standard phone lines to control the display or control the display from multiple computers
- A modem is required at both ends of the communication network with each modem requiring a dedicated phone line
- Gives Daktronics the ability to control diagnostics or manage display content

Radio Network

- Distance between control radio and display is less than 1,500 feet (450 m)
- Utilizes radio frequency (RF) waves to send and receive data
- A typical network consists of a radio server, located near the control computer, and radio client(s), located at the display(s)
- Used when a communication cable can't be routed due to construction costs
- Used when excessive RF interference is not present at the installation location (i.e. cellular towers, radio stations, TV stations, wireless handsets, etc.)

*Note: Refer to display model to verify communication type availability.

Communication Options ■ Matrix Displays

Technical Overview



Ethernet Communication

The methods included in this group require an Ethernet network or a computer with an Ethernet network card to communicate to the display. Daktronics provides 10/100 Base-T, fiber and radio as communication options.

Ethernet is a good solution when the customer desires to remotely control the display or to control the display from multiple computers.

TCP/IP Over Ethernet Network - 10/100 Base-T

- Distance between the TCP/IP network and the display is less than 330 feet (100 m)

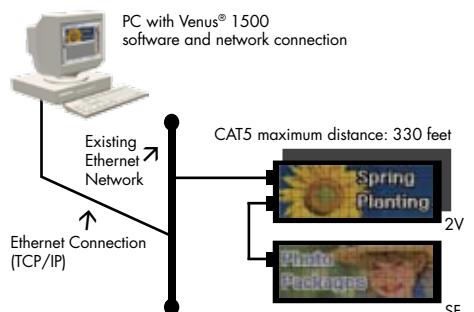
TCP/IP Over Ethernet Network - Fiber

- Distance between the TCP/IP network and the display is less than 1.24 miles (2 km)
- Optical fibers provide electrical isolation to network

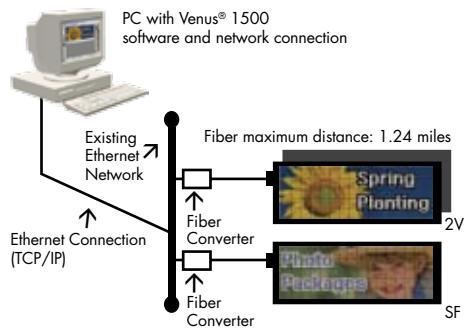
Wireless Ethernet Bridge Communication - Radio

- Interfaces with any Ethernet client/host device to achieve wireless Ethernet connections
- Synchronous point-to-point protocol enables extremely low data latency and jitter
- DSL-rate throughput
- 128-bit encryption payload protection provides secure data delivery
- Distance between control and display is less than 1,500 feet (450 m)

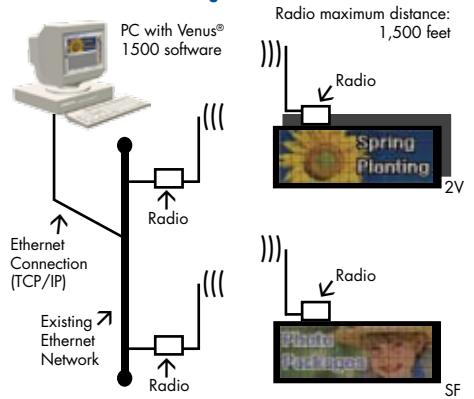
TCP/IP Over Ethernet - CAT5



TCP/IP Over Ethernet - Fiber



Wireless Ethernet Bridge



Outdoor Digit Displays

Time & Temperature



DataTime® Time & Temperature



Left: Mid Missouri Bank
Springfield, Missouri
24-inch digit DF-1010 Amber
Right: Downtown St. Louis Partnership
St. Louis, Missouri
13-inch digit DF-1010 Red



DataMaster
Electronic digit-based displays by Daktronics

Technical Specifications

Color Capability:

One color (red or amber)

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

140 degrees horizontal x
70 degrees vertical

Contrast Enhancement:

LEDs protrude through a punched black metal face

Digit Design:

7-segment bar

Service Access:

Front access

Control:

DataMaster® DM-100 keypad

Power:

120 VAC single phase;
240 VAC single phase

Display Dimming:

16 levels (automatic or manual control)

Communication Options:

Direct connect or wireless options

Compliance Information:

UL Listed, ETL Listed, ETLc Listed

Display Configurations

1010 series can be ordered in single-face (SF) configuration, while the 1011 series can be ordered in drop-in single-face (DI-SF) or drop-in two-view (DI-2V) configurations.



Time & Temperature DF-1010 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per face
10"	R, A or G	1'3" x 3'0" x 6"	.38 x .91 x .15	30 (14)	150
13"	R or A	1'6" x 4'0" x 6"	.46 x 1.22 x .15	36 (16)	150
18"	R or A	2'0" x 5'0" x 6"	.61 x 1.52 x .15	60 (27)	150
24"	R, A or G	2'6" x 6'6" x 6"	.76 x 1.98 x .15	95 (43)	150
36"	R or A	3'6" x 9'0" x 8"	1.07 x 2.74 x .20	160 (73)	300
48"	R or A	4'6" x 12'0" x 8"	1.37 x 3.66 x .20	280 (127)	300
60"	R or A	6'0" x 15'0" x 8"	1.83 x 4.57 x .20	350 (159)	300

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Time & Temperature DF-1011 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per face
10"	R, A or G	1'3" x 3'0" x 6"	.38 x .91 x .15	30 (14)	150
13"	R or A	1'6" x 4'0" x 6"	.46 x 1.22 x .15	36 (16)	150
18"	R or A	2'0" x 5'0" x 6"	.61 x 1.52 x .15	60 (27)	150
24"	R or A	2'6" x 6'6" x 6"	.76 x 1.98 x .15	90 (41)	150

DF-1011 models are front-flanged/drop-in style cabinets. These cabinets can be inserted into existing signs or added to signs provided by others.

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Model Number Guide

DF-1010 - 18 - R - SF

D=Digit Series Character Red, or Single
F=LED Number Height Amber LEDs
Outdoor

DF-1011 - 18 - R - DI-SF

D=Digit Series Character Red, or Drop-In Single
F=LED Number Height Amber Face or Drop-In
Outdoor LEDs Two View

DataMaster® Rate/Lottery



Left: Rhode Island Lottery
Lamar Outdoor Advertising
Providence, Rhode Island
60-inch digit DF-1060 Amber

Right: OK Cafe
Atlanta, Georgia
13-inch digit DF-1030 Amber

Lower Right: Microtel
Champaign, Illinois
36-inch digit DF-1040 Red



Outdoor Digit Displays



Rate/
Lottery



Rate Displays DF-1030 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
13"	R or A	1'6" x 2'0" x 6"	.46 x .61 x .15	20 (9)	150
18"	R or A	2'0" x 2'6" x 6"	.61 x .76 x .15	30 (14)	150
24"	R or A	2'6" x 3'0" x 6"	.76 x .91 x .15	45 (20)	150
36"	R or A	3'6" x 4'6" x 8"	1.07 x 1.37 x .20	95 (43)	300
48"	R or A	4'6" x 6'0" x 8"	1.37 x 1.82 x .20	135 (61)	300

These models contain 2-digits.

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Rate Displays DF-1040 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
13"	R or A	1'6" x 4'0" x 6"	.46 x 1.22 x .15	36 (16)	150
18"	R or A	2'0" x 5'0" x 6"	.61 x 1.52 x .15	60 (27)	150
24"	R or A	2'6" x 6'6" x 6"	.76 x 1.98 x .15	90 (41)	150
36"	R or A	3'6" x 7'6" x 8"	1.07 x 2.29 x .20	150 (68)	300
48"	R or A	4'6" x 9'0" x 8"	1.37 x 2.74 x .20	220 (100)	300

In these 4-digit models the last two digits are smaller than the first two digits.

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Lottery Display DF-1060 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
24"	R or A	2'6" x 5'0" x 6"	.76 x 1.52 x .15	140 (64)	300
36"	R or A	3'6" x 7'6" x 8"	1.07 x 2.29 x .20	140 (64)	300
48"	R or A	4'6" x 10'0" x 8"	1.37 x 3.05 x .20	200 (91)	300
60"	R or A	6'0" x 12'0" x 8"	1.83 x 3.66 x .20	350 (159)	300

Lottery displays are 3-digit displays.

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



Technical Specifications

Color Capability:

One color (red or amber)

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

140 degrees horizontal x
70 degrees vertical

Contrast Enhancement:

LEDs protrude through a punched black metal face

Digit Design:

7-segment bar

Service Access:

Front access

Control:

DataMaster® DM-100 keypad

Power:

120 VAC single phase;
240 VAC single phase

Display Dimming:

16 levels (automatic or manual control)

Communication Options:

Direct connect or wireless options

Compliance Information:

UL Listed, ETL Listed, ETLC Listed

Outdoor Digit Displays

Counting/Status



DataMaster® Counting/Status

Right: Financial Company
Kirkland, Washington
6-inch digit MF-1001



Technical Specifications

Color Capability:

Counting: One color (red or amber);
Open/Closed Status: Red or Green
(based on content of message displayed)

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

140 degrees horizontal x
70 degrees vertical

Contrast Enhancement:

Counting: LEDs protrude through a
punched black metal face;
Open/Closed Status: Polycarbonate face

Digit Design:

Counting: 7-segment bar

Service Access:

Counting: Front access;
Open/Closed Status: Rear access

Control:

Open/Closed Status: Relay contact
closure or wired switch

Power:

120 VAC single phase;
240 VAC single phase

Display Dimming:

16 levels (automatic or manual control)

Communication Options:

Counting: Direct connect or wireless
options

Compliance Information:

UL Listed, ETL Listed, ETLc Listed



Counting Display DF-1071 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
5"	R or A	0'8" x 1'6" x 6"	.20 x .46 x .15	10 (5)	150
7"	R or A	1'0" x 2'3" x 6"	.31 x .69 x .15	15 (7)	150
10"	R or A	1'3" x 3'0" x 6"	.38 x .91 x .15	20 (9)	150
13"	R or A	1'7" x 4'3" x 6"	.48 x 1.28 x .15	45 (20)	150

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Open/Closed Status Display MF-1001 Series Model Specifications

Symbol Height	LED Color	Single-face cabinet Feet-Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
4"	R or G	7" x 1'5" x 3"	.18 x .44 x .08	10 (5)	25
6"	R or G	10" x 1'11" x 3"	.25 x .59 x .08	15 (7)	25

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Model Number Guide

DF-1071 - 5 - R

D=Digit | Series | Digit | Red or
F=LED | Number | Height | Amber LEDs
Outdoor

MF-1001-4

M= Indicator | Series | Character
F=LED | Number | Height or
Outdoor | Height | Symbol
Height

DataMaster® Petroleum Price



Left: Casey's
Ankeny, Iowa
13-inch digit DF-2000 Red
Right: Wawa
Salisbury, Maryland
18-inch digit and 13-inch digit
DF-2000 Red
Below Right: DataMaster®
DF-2000 Series Displays



DataMaster
Electronic digit-based displays by Daktronics

Outdoor Digit Displays



Petroleum 2000 series



Single-Face 2000 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet-Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
10"	R, A or G	1'3" x 3'0" x 3"	.38 x .91 x .08	25 (11)	75
13"	R, A or G	1'6" x 4'0" x 3"	.46 x 1.22 x .08	30 (14)	75
18"	R, A or G	2'0" x 5'0" x 3"	.61 x 1.52 x .08	35 (16)	75
24"	R, A or G	2'6" x 6'6" x 3"	.76 x 1.98 x .08	40 (18)	150
36"	R, A or G	3'6" x 8'0" x 8"	1.07 x 2.44 x .20	140 (64)	1,000
48"	R, A or G	4'6" x 9'6" x 8"	1.37 x 2.90 x .20	230 (104)	1,000
60"	R, A or G	5'6" x 11'0" x 8"	1.68 x 3.35 x .20	300 (136)	1,000
78"	R, A or G	8'0" x 15'0" x 8"	2.44 x 4.57 x .20	600 (272)	1,000
96"	R, A or G	10'0" x 18'0" x 8"	3.05 x 5.49 x .20	650 (295)	1,000

These models are full-cabinet displays designed for petroleum pricing.

POS interface available with many systems (check equipment).

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Drop-In 2000 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet-Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
10"	R, A or G	1'3" x 3'6" x 2"	.38 x 1.06 x .05	25 (11)	75
13"	R, A or G	1'6" x 4'0" x 2"	.46 x 1.22 x .05	30 (14)	75
18"	R, A or G	1'10" x 4'9" x 2"	.56 x 1.45 x .05	30 (14)	75
24"	R, A or G	2'4" x 5'10" x 2"	.71 x 1.78 x .05	35 (16)	150

These models are front-flanged/drop-in style cabinets to retrofit existing

signage. POS interface available with many systems (check equipment).

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



Left: The Gas Stop Sioux Falls, South Dakota 48 x 96 matrix 20 mm Red 18-inch digit DF-2000 Red
Middle: MG Oil bp Rapid City, South Dakota 10-inch digit DF-2000 Green

Right: Kwik Trip Wisconsin Rapids, Wisconsin 32 x 112 matrix 20 mm RGB 18-inch digit DF-2000 Red

Technical Specifications

Color Capability:

One color (red, amber or green)

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

140 degrees horizontal x
70 degrees vertical

Contrast Enhancement:

LEDs protrude through a punched black metal face

Digit Design:

7-segment bar

Service Access:

Front access

Control:

DataMaster® DM-100 keypad or alternate

Power:

120 VAC single phase;
240 VAC single phase

Display Dimming:

16 levels (automatic or manual control)

Communication Options:

Direct connect, Modem, Radio, Point of Sale (POS) interface

Compliance Information:

UL Listed, ETL Listed, ETLc Listed

Display Configurations

Can be ordered in single-face (SF) or drop-in (DI) configurations.



Model Number Guide

DF-2000 - 10 - R - NA - DI

D=Digit	Series	Digit	Red, Amber or Green	Not Applicable	Single Face or Drop In
F=LED	Number	Height	LEDs		

Outdoor Digit Displays

Petroleum 2100 series



Technical Specifications

Color Capability:

One color (red, amber or green)

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

140 degrees horizontal x

70 degrees vertical

Contrast Enhancement:

LEDs protrude through a punched black metal face

Digit Design:

7-segment bar

Service Access:

Front access

Control:

DataMaster® DM-100 keypad or alternate

Power:

120 VAC single phase;

240 VAC single phase

Display Dimming:

16 levels (automatic or manual control)

Communication Options:

Direct connect, Modem, Radio, Point of Sale (POS) interface

Compliance Information:

UL Listed, ETL Listed, ETLc Listed

Display Configurations

Can be ordered in single-face (SF) or double-face (DF) configurations.



Model Number Guide

DF-2100 - 10 - R - T6 - DF

D=Digit	Series	Digit	Red,Amber	Ad panel	Single Face
F=LED	Number	Height	or Green	location,	or Double
Outdoor		feet	LEDs	Display width in	Face

DataMaster® Petroleum Price



Left: On Cue Express
Oklahoma City, Oklahoma
36-inch digit DF-2100 Red

Right: Coffee Cup Fuel Stop
Vivian, South Dakota
18-inch digit DF-2100 Red

Below Left: DataMaster®

DF-2100 Series Displays

Left: Top backlit panel

Right: Left backlit panel



Single-Face 2100 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet-Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
Left caption					
10"	R, A or G	1'3" x 5'0" x 6"	.38 x 1.52 x .15	40 (18)	120
13"	R, A or G	1'6" x 6'0" x 6"	.46 x 1.83 x .15	50 (23)	135
18"	R, A or G	2'0" x 8'0" x 6"	.61 x 2.44 x .15	70 (32)	275
24"	R, A or G	2'6" x 10'0" x 6"	.76 x 3.05 x .15	90 (41)	275
Top caption					
10"	R, A or G	1'9" x 3'0" x 6"	.53 x .91 x .15	45 (20)	135
13"	R, A or G	2'2" x 3'6" x 6"	.66 x 1.07 x .15	55 (25)	150
18"	R, A or G	3'0" x 5'0" x 6"	.91 x 1.52 x .15	100 (45)	350
24"	R, A or G	4'0" x 6'0" x 6"	1.22 x 1.83 x .15	110 (50)	350
36"	R, A or G	4'10" x 8'0" x 8"	1.47 x 2.44 x .20	170 (77)	1,300
48"	R, A or G	6'0" x 9'6" x 8"	1.83 x 2.90 x .20	260 (159)	1,336
60"	R, A or G	7'6" x 11'0" x 8"	2.29 x 3.35 x .20	400 (181)	1,636

The DF-2100 Series features a backlit panel either above or left of the digits.

POS interface available with many systems (check equipment).

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Double-Face 2100 Series Model Specifications

Digit Height	LED Color	Double-face cabinet Feet-Inches (H x W x D)	Double-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
Left caption					
10"	R, A or G	1'3" x 5'0" x 9"	.38 x 1.53 x .23	50 (23)	240
10"	R, A or G	1'3" x 6'0" x 9"	.38 x 1.84 x .23	50 (23)	270
13"	R, A or G	1'6" x 6'0" x 9"	.46 x 1.84 x .23	60 (27)	240
13"	R, A or G	1'6" x 7'0" x 9"	.46 x 2.14 x .23	60 (27)	240
18"	R, A or G	1'10" x 7'0" x 9"	.56 x 2.14 x .23	70 (32)	450
18"	R, A or G	1'10" x 8'0" x 9"	.56 x 2.45 x .23	80 (36)	450
24"	R, A or G	2'5" x 8'0" x 9"	.74 x 2.45 x .23	80 (36)	450
Top caption					
18"	R, A or G	2'8" x 5'0" x 9"	.81 x 1.53 x .23	100 (45)	350
24"	R, A or G	3'9" x 6'0" x 9"	1.14 x 1.84 x .23	110 (50)	350
24"	R, A or G	3'9" x 7'0" x 9"	1.14 x 2.14 x .23	120 (54)	350
24"	R, A or G	3'9" x 8'0" x 9"	1.14 x 2.45 x .23	130 (59)	350
36"	R, A or G	5'0" x 10'0" x 9"	1.53 x 3.05 x .23	300 (136)	1,000

The DF-2100 Series features a backlit panel either above or left of the digits.

POS interface available with many systems (check equipment).

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

DataMaster® Petroleum Price



Left: Cenex
Sioux Falls, South Dakota
18-inch digit DF-2200 Red
Right: Cenex
Sioux Falls, South Dakota
24-inch digit DF-2200 Red
Below Right: DataMaster®
DF-2200 Series Display



Outdoor Digit Displays



Petroleum 2200 series

DataMaster
Electronic digit-based displays by Daktronics



Double-Face 2200 Series Model Specifications

Digit Height	LED Color	Single-face cabinet Feet-Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Max. Watts per Face
18"	R	4'0" x 6'0" x 9"	1.22 x 1.84 x .23	250 (113)	450
24"	R	5'0" x 8'0" x 9"	1.52 x 2.44 x .23	300 (136)	450

The DF-2200 series are one display combining a 34 mm monochrome LED one-line matrix display and a DataMaster® digit display.

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Specialty Applications

Daktronics provides additional digit displays and components for applications that do not fit a typical installation, such as flexible aluminum faces that conform to a curved structure.



Technical Specifications

Color Capability:

One color (red or amber)

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

Digit: 140 degrees horizontal x 70 degrees vertical; Matrix: 90 degrees horizontal x 40 degrees vertical

Contrast Enhancement:

Digit: LEDs protrude through a punched black metal face; Matrix: Horizontal louvers

Digit Design:

7-segment bar

Service Access:

Digit: Front access; Matrix: Front access

Control:

DataMaster® DM-100 Plus keypad

Power:

120 VAC single phase;
240 VAC single phase

Display Dimming:

16 levels (automatic or manual control)

Communication Options:

Direct connect, Modem, Radio

Compliance Information:

UL Listed, ETL Listed, ETLc Listed

Display Configurations

Can be ordered in double-face (DF) configurations.



DF

Model Number Guide

DF-2200 - 18 - R - T6 - DF

D=Digit	Series	Digit Height	Red,Amber	Matrix location	Double Face
F=LED	Number	or Green	LEDs	Display width in feet	
Outdoor					

Character Displays

DataTrac

DataTrac™



Left: Hartsfield-Jackson Int'l Airport
Atlanta, Georgia
8 x 24 matrix
2.1" character height RG

Right: Yakima Convention Center
Yakima, Washington
4 x 24 matrix
1.2" character height RG



Technical Specifications

Character Heights:

S-100 – 0.7", 1.2" and 2.1"
S-200 – 1.2" and 2.1"

Color Capability:

S-100 – red
S-200 – RG: red, green and amber

LEDs per Pixel:

Monolithic block

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

140 degrees horizontal x
140 degrees vertical

Contrast Enhancement:

Polycarbonate face

Service Access:

Front access

Control Software:

Venus® 1500

Power:

120 VAC single phase

Communication Options:

RS232, RS422, Modem and Ethernet

Compliance Information:

ETL Listed



Model Specifications

Matrix Size	Single-face cabinet Feet-Inches H x W x D	Single-face cabinet Meters H x W x D	Single-face Weight Pounds (kg)	Characters per Line	Character Height	Max. Watts per face
S-100 – 0.7" high characters						
4x24	10" x 17" x 5"	.25 x .48 x .13	15 (7)	24	0.7"	100
4x36	10" x 2'3" x 5"	.25 x .69 x .13	20 (9)	36	0.7"	150
4x48	10" x 2'10" x 5"	.25 x .86 x .13	25 (11)	48	0.7"	190
8x24	1'4" x 1'7" x 5"	.41 x .48 x .13	25 (11)	24	0.7"	190
8x36	1'4" x 2'3" x 5"	.41 x .69 x .13	30 (14)	36	0.7"	280
8x48	1'4" x 2'10" x 5"	.41 x .86 x .13	35 (16)	48	0.7"	370
12x24	1'10" x 1'7" x 5"	.56 x .48 x .13	30 (14)	24	0.7"	280
12x36	1'10" x 2'3" x 5"	.56 x .69 x .13	40 (18)	36	0.7"	420
12x48	1'10" x 2'10" x 5"	.56 x .86 x .13	50 (23)	48	0.7"	550
S-100 and S-200 – 1.2" high characters						
4x24	11" x 2'11" x 5"	.28 x .89 x .13	25 (11)	24	1.2"	180
4x30	11" x 3'6" x 5"	.28 x 1.07 x .13	30 (14)	30	1.2"	220
4x36	11" x 4'2" x 5"	.28 x 1.27 x .13	35 (16)	36	1.2"	260
4x42	11" x 4'9" x 5"	.28 x 1.45 x .13	40 (18)	42	1.2"	300
4x48	11" x 5'4" x 5"	.28 x 1.63 x .13	45 (20)	48	1.2"	350
8x24	1'6" x 2'11" x 5"	.46 x .89 x .13	40 (18)	24	1.2"	350
8x30	1'6" x 3'6" x 5"	.46 x 1.07 x .13	45 (20)	30	1.2"	430
8x36	1'6" x 4'2" x 5"	.46 x 1.27 x .13	50 (23)	36	1.2"	510
8x42	1'6" x 4'9" x 5"	.46 x 1.45 x .13	60 (27)	42	1.2"	590
8x48	1'6" x 5'4" x 5"	.46 x 1.63 x .13	65 (29)	48	1.2"	680
12x24	2'1" x 2'11" x 5"	.64 x .89 x .13	50 (23)	24	1.2"	510
12x30	2'1" x 3'6" x 5"	.64 x 1.07 x .13	60 (27)	30	1.2"	630
12x36	2'1" x 4'2" x 5"	.64 x 1.27 x .13	70 (32)	36	1.2"	760
12x42	2'1" x 4'9" x 5"	.64 x 1.45 x .13	80 (36)	42	1.2"	880
12x48	2'1" x 5'4" x 5"	.64 x 1.63 x .13	90 (41)	48	1.2"	1,000
S-100 and S-200 – 2.1" high characters						
4x24	1'4" x 4'1" x 5"	.41 x 1.24 x .13	40 (18)	24	2.1"	180
4x30	1'4" x 5'0" x 5"	.41 x 1.52 x .13	50 (23)	30	2.1"	220
4x36	1'4" x 5'11" x 5"	.41 x 1.80 x .13	55 (25)	36	2.1"	260
4x42	1'4" x 6'10" x 5"	.41 x 2.08 x .13	65 (29)	42	2.1"	300
4x48	1'4" x 7'8" x 5"	.41 x 2.34 x .13	75 (34)	48	2.1"	350
8x24	2'4" x 4'1" x 5"	.71 x 1.24 x .13	65 (29)	24	2.1"	350
8x30	2'4" x 5'0" x 5"	.71 x 1.52 x .13	80 (36)	30	2.1"	430
8x36	2'4" x 5'11" x 5"	.71 x 1.80 x .13	95 (43)	36	2.1"	510
8x42	2'4" x 6'10" x 5"	.71 x 2.08 x .13	105 (48)	42	2.1"	590
8x48	2'4" x 7'8" x 5"	.71 x 2.34 x .13	120 (54)	48	2.1"	680
12x24	3'4" x 4'1" x 5"	1.02 x 1.24 x .13	90 (41)	24	2.1"	510
12x30	3'4" x 5'0" x 5"	1.02 x 1.52 x .13	110 (50)	30	2.1"	630
12x36	3'4" x 5'11" x 5"	1.02 x 1.80 x .13	130 (59)	36	2.1"	760
12x42	3'4" x 6'10" x 5"	1.02 x 2.08 x .13	150 (68)	42	2.1"	880
12x48	3'4" x 7'8" x 5"	1.02 x 2.34 x .13	170 (77)	48	2.1"	1,000

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Model Number Guide

S-200-12 x 24 - 1.2

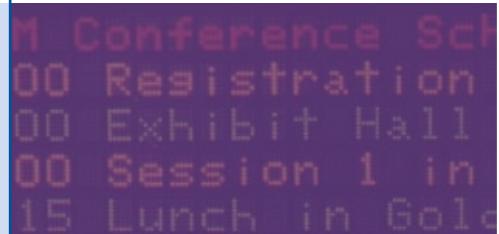
Model Series	100	Red	#of Lines	#of Char.	Character Height per Line
200	RG				

Panelized DataTrac™



Right: Victoria Racing Club
Flemington, Victoria, Australia
custom matrix
2.1" character height RG

Character Displays



Panelized DataTrac



Model Specifications

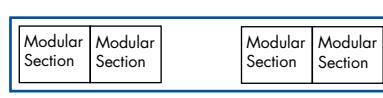
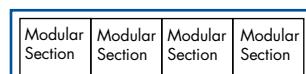
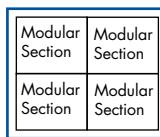
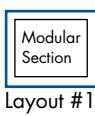
Matrix Size	Single-face cabinet Feet-Inches H x W x D	Single-face cabinet Meters H x W x D	Single-face Weight Pounds (kg)	Characters per Line	Character Height	Max. Watts per face
1.2" high characters						
8x24	1'10" x 2'6" x 4.5"	.56 x .76 x .11	30 (14)	24	1.2"	370
8x30	1'10" x 3'2" x 4.5"	.56 x .97 x .11	35 (16)	30	1.2"	460
12x24	2'9" x 2'6" x 4.5"	.84 x .76 x .11	40 (18)	24	1.2"	550
12x30	2'9" x 3'2" x 4.5"	.84 x .97 x .11	50 (23)	30	1.2"	690
2.1" high characters						
4x24	1'2" x 3'10" x 4.5"	.36 x 1.17 x .11	25 (12)	24	2.1"	190
4x30	1'2" x 4'9" x 4.5"	.36 x 1.45 x .11	30 (14)	30	2.1"	240
8x24	2'3" x 3'10" x 4.5"	.69 x 1.17 x .11	45 (21)	24	2.1"	370
8x30	2'3" x 4'9" x 4.5"	.69 x 1.45 x .11	55 (25)	30	2.1"	460
12x24	3'5" x 3'10" x 4.5"	1.04 x 1.17 x .11	65 (30)	24	2.1"	550
12x30	3'5" x 4'9" x 4.5"	1.04 x 1.45 x .11	80 (37)	30	2.1"	690
3.2" high characters						
4x18	1'8" x 4'4" x 4.5"	.51 x 1.32 x .11	35 (16)	18	3.2"	440
4x24	1'8" x 5'9" x 4.5"	.51 x 1.75 x .11	50 (23)	24	3.2"	580
6x18	2'6" x 4'4" x 4.5"	.76 x 1.32 x .11	55 (25)	18	3.2"	650
6x24	2'6" x 5'9" x 4.5"	.76 x 1.75 x .11	70 (32)	24	3.2"	860
4.2" high characters						
4x12	2'3" x 3'10" x 4.5"	.69 x 1.17 x .11	45 (21)	12	4.2"	290
4x18	2'3" x 5'9" x 4.5"	.69 x 1.75 x .11	65 (30)	18	4.2"	440
6x12	3'5" x 3'10" x 4.5"	1.04 x 1.17 x .11	65 (30)	12	4.2"	440
6x18	3'5" x 5'9" x 4.5"	1.04 x 1.75 x .11	100 (46)	18	4.2"	650

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Modular Sections Allow Flexibility

Modular display design enables customers to configure their display layout to fit the current application and the option to reconfigure at a later date.



Technical Specifications

Character Heights:

1.2", 2.1", 3.2" and 4.2"

Color Capability:

Red, green and amber

LEDs per Pixel:

Monolithic block

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

140 degrees horizontal x
140 degrees vertical

Contrast Enhancement:

Non-reflective mesh screen

Service Access:

Front access

Control Software:

Venus® DataStreamer®

Power:

120 VAC single phase

Communication Options:

RS422 and Ethernet

Compliance Information:

ETL Listed

Available data-feed subscriptions:

Delayed financial market data, business news, sports and weather

Model Number Guide

CE-1010 - 8 x 24 - 1.2 - RG

C=	Series	# of Lines	# of Char.	Character Height	Red and Green LEDs
Matrix Number					
E=LED Indoor			Blocks per Line		

Line Displays

InfoNet™



Right: Will Roger World Airport
Oklahoma City, Oklahoma
7 x 160 matrix
2.1" character height Red



Technical Specifications

Character Height:

2.1" (7 pixel font)

Pixel Pitch:

0.3" (7.6 mm) center-to-center

Color Capability:

Red, green and amber

LEDs per Pixel:

Monolithic block

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:140 degrees horizontal x
140 degrees vertical**Contrast Enhancement:**

Polycarbonate face

Service Access:

Front access

Graphic Capability:

Text

Control Software:

Venus® 1500

Power:

120 VAC single phase

Communication Options:

RS232 and RS422

Compliance Information:

ETL Listed



Model Specifications

Matrix Size	Single-face cabinet Feet-Inches H x W x D	Single-face cabinet Meters H x W x D	Single-face Weight Pounds (kg)	Characters per Line	Character Height	Max. Watts per face
				(5)	(6)	(7)
7x80	5.5" x 2'3" x 3.5"	.14 x .68 x .09	10	1/16	2.1"	50
7x120	5.5" x 3'3" x 3.5"	.14 x .98 x .09	12	1/24	2.1"	80
7x160	5.5" x 4'3" x 3.5"	.14 x 1.29 x .09	15	1/32	2.1"	100
7x200	5.5" x 5'3" x 3.5"	.14 x 1.50 x .09	18	1/40	2.1"	115
7x240	5.5" x 6'3" x 3.5"	.14 x 1.90 x .09	22	1/48	2.1"	140

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Model Number Guide

G-200 - 1 - 7 x 80 - 2.1

Model Series	Model Red and Green LEDs	# of Lines	Matrix Height	Matrix Length	Character Height

DAKTicker®

Ticker Displays



Left: Cage Aux Sports Centre Bell
Montreal, Quebec
16 x 400 matrix 7.6 mm RG



VENUS®
DATA Streamer
ELECTRONIC DISPLAY SOFTWARE

Model Specifications

Matrix Size	Single-face cabinet Feet-Inches H x W x D	Single-face cabinet Meters H x W x D	Single-face Weight Pounds (kg)	Characters per Line	Character Height	Max. Watts per face
16x200	10" x 5'0" x 3.5"	.25 x 1.51 x .11	35 (16)	35	2.1" - 4.8"	215
16x240	10" x 6'0" x 3.5"	.25 x 1.83 x .11	40 (18)	40	2.1" - 4.8"	255
16x320	10" x 8'0" x 3.5"	.25 x 2.44 x .11	50 (23)	50	2.1" - 4.8"	335
16x400	10" x 10'0" x 3.5"	.25 x 3.05 x .11	60 (27)	60	2.1" - 4.8"	415
24x200	1'1" x 5'0" x 3.5"	.33 x 1.51 x .11	45 (20)	35	2.1" - 7.2"	215
24x240	1'1" x 6'0" x 3.5"	.33 x 1.83 x .11	50 (23)	40	2.1" - 7.2"	255
24x320	1'1" x 8'0" x 3.5"	.33 x 2.44 x .11	60 (27)	50	2.1" - 7.2"	335
24x400	1'1" x 10'0" x 3.5"	.33 x 3.05 x .11	70 (32)	60	2.1" - 7.2"	415
Twin Tickers						
2-16x200	1'5" x 5'0" x 3.5"	.43 x 1.51 x .11	45 (20)	35	2.1" - 4.8"	425
2-16x240	1'5" x 6'0" x 3.5"	.43 x 1.83 x .11	55 (25)	40	2.1" - 4.8"	510
2-16x320	1'5" x 8'0" x 3.5"	.43 x 2.44 x .11	75 (35)	50	2.1" - 4.8"	670
2-16x400	1'5" x 10'0" x 3.5"	.43 x 3.05 x .11	95 (43)	60	2.1" - 4.8"	835

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Technical Specifications

Character Heights:

Variable up to 7.2"

Pixel Pitch:

0.3" (7.62 mm) center-to-center

Color Capability:

Red, green and amber

LEDs per Pixel:

Monolithic block

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

140 degrees horizontal x
140 degrees vertical

Contrast Enhancement:

Polycarbonate face

Service Access:

Front access

Control Software:

Venus® DataStreamer®

Power:

120 VAC single phase

Communication Options:

RS422 and Ethernet

Compliance Information:

ETL Listed

Available data-feed subscriptions:

Delayed financial market data, business news, sports and weather

Model Number Guide

KE -1010-16x320 - 2.1 - RG
 K=Ticker | Series | Matrix | Matrix | Character | Red and
 E=LED | Number | Height | Length | Height | Green
 Indoor | | | | | LEDs

KE -1010-2 -16 x 320 - 2.1 - RG
 K=Ticker | Series | #of | Matrix | Matrix | Character | Red and
 E=LED | Number | Lines | Height | Length | Height | Green
 Indoor | | | | | LEDs

Indoor Matrix Displays

7.6 3010



Galaxy® 7.6 mm ■ 3010 Series

Right: Gold Crown Foundation
Lakewood, Colorado
32 x 192 matrix 7.6 mm RG



Galaxy

Technical Specifications

Character Height:
2.1" (7 pixel font)

Pixel Pitch:
0.3" (7.6 mm) center-to-center

Color Capability:
Red, green and amber

LEDs per Pixel:
Monolithic block

Estimated LED Lifetime:
100,000+ hours

Viewing Angle:
140 degrees horizontal x
140 degrees vertical

Contrast Enhancement:
Polycarbonate face

Service Access:
Front access

Graphic Capability:
Text and graphics

Control Software:
Venus® 1500

Power:
120 VAC single phase

Communication Options:
RS232, RS422, Modem and Ethernet

Compliance Information:
ETL Listed



Model Specifications

Matrix Size	Single-face cabinet Feet-Inches H x W x D	Single-face cabinet Meters H x W x D	Single-face Weight Pounds (kg)	Characters per Line	Character Height	Max. Watts per face
16x96	9" x 2'11" x 4"	.23 x .89 x .11	25 (12)	2/19	2.1" - 4.8"	105
16x128	9" x 3'8" x 4"	.23 x 1.12 x .11	30 (14)	2/25	2.1" - 4.8"	135
16x160	9" x 4'6" x 4"	.23 x 1.38 x .11	40 (19)	2/32	2.1" - 4.8"	165
16x192	9" x 5'4" x 4"	.23 x 1.63 x .11	45 (21)	2/38	2.1" - 4.8"	195
16x224	9" x 6'1" x 4"	.23 x 1.86 x .11	50 (23)	2/44	2.1" - 4.8"	225
16x256	9" x 6'11" x 4"	.23 x 2.11 x .11	55 (25)	2/51	2.1" - 4.8"	255
32x96	1'2" x 2'11" x 4"	.36 x .89 x .11	35 (16)	4/19	2.1" - 9.3"	195
32x128	1'2" x 3'8" x 4"	.36 x 1.12 x .11	45 (21)	4/25	2.1" - 9.3"	255
32x160	1'2" x 4'6" x 4"	.36 x 1.38 x .11	55 (25)	4/32	2.1" - 9.3"	315
32x192	1'2" x 5'4" x 4"	.36 x 1.63 x .11	60 (28)	4/38	2.1" - 9.3"	375
32x224	1'2" x 6'1" x 4"	.36 x 1.86 x .11	70 (32)	4/44	2.1" - 9.3"	435
32x256	1'2" x 6'11" x 4"	.36 x 2.11 x .11	80 (37)	4/51	2.1" - 9.3"	495
48x96	1'7" x 2'11" x 4"	.48 x .89 x .11	45 (21)	6/19	2.1" - 14.4"	285
48x128	1'7" x 3'8" x 4"	.48 x 1.12 x .11	55 (25)	6/25	2.1" - 14.4"	375
48x160	1'7" x 4'6" x 4"	.48 x 1.38 x .11	70 (32)	6/32	2.1" - 14.4"	465
48x192	1'7" x 5'4" x 4"	.48 x 1.63 x .11	80 (37)	6/38	2.1" - 14.4"	555
48x224	1'7" x 6'1" x 4"	.48 x 1.86 x .11	90 (41)	6/44	2.1" - 14.4"	645
48x256	1'7" x 6'11" x 4"	.48 x 2.11 x .11	100 (46)	6/51	2.1" - 14.4"	735

Additional matrix sizes are available

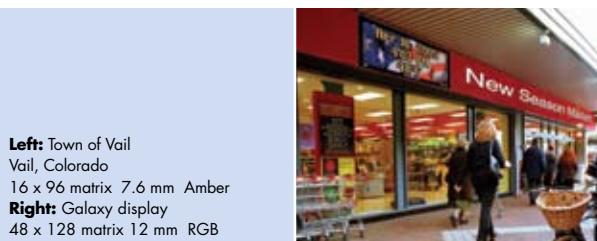
Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Model Number Guide

AE-3010-16 x 96 - 7.6-RG

A=Matrix Series | E=LED Indoor | Number | Matrix Height | Matrix Length | Pixel Pitch | Red and Green LEDs

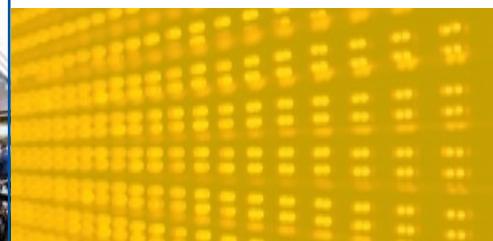
Galaxy® 7.6 ■ Mono/12 mm ■ RGB



Left: Town of Vail
Vail, Colorado
16 x 96 matrix 7.6 mm Amber
Right: Galaxy display
48 x 128 matrix 12 mm RGB

Galaxy.

Outdoor Matrix Displays



7.6 Mono/12 RGB



7.6 mm 3020 Series Model Specifications

Matrix Size	Single-face cabinet Feet-Inches H x W x D	Single-face cabinet Meters H x W x D	Single-face Weight Pounds (kg)	Characters per Line	Character Height	Max. Watts per face
16x64	1'4" x 2'5" x 6"	.41 x .74 x .15	25 (11)	2/12	2.1" - 4.8"	40
16x96	11" x 3'0" x 6"	.28 x .91 x .15	25 (11)	2/19	2.1" - 4.8"	60
16x144	11" x 4'3" x 6"	.28 x 1.3 x .15	35 (16)	2/28	2.1" - 4.8"	80
16x192	11" x 5'5" x 6"	.28 x 1.7 x .15	40 (18)	2/38	2.1" - 4.8"	110
16x240	11" x 6'8" x 6"	.28 x 2.0 x .15	50 (23)	2/48	2.1" - 4.8"	130
32x96	1'4" x 3'0" x 6"	.41 x .91 x .15	35 (16)	4/19	2.1" - 9.6"	110
32x144	1'4" x 4'3" x 6"	.41 x 1.3 x .15	45 (21)	4/28	2.1" - 9.6"	150
32x192	1'4" x 5'5" x 6"	.41 x 1.7 x .15	55 (25)	4/38	2.1" - 9.6"	200
32x240	1'4" x 6'8" x 6"	.41 x 2.0 x .15	65 (30)	4/48	2.1" - 9.6"	250
48x96	1'9" x 3'0" x 6"	.53 x .91 x .15	40 (19)	6/19	2.1" - 14.4"	160
48x144	1'9" x 4'3" x 6"	.53 x 1.3 x .15	60 (28)	6/28	2.1" - 14.4"	230
48x192	1'9" x 5'5" x 6"	.53 x 1.7 x .15	70 (32)	6/38	2.1" - 14.4"	300
48x240	1'9" x 6'8" x 6"	.53 x 2.0 x .15	85 (39)	6/48	2.1" - 14.4"	370

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

12 mm 3400 Series Model Specifications

Matrix Size	Single-face cabinet Feet-Inches H x W x D	Single-face cabinet Meters H x W x D	Single-face Weight Pounds (kg)	Characters per Line	Character Height	Max. Watts per face
24x80	1'6" x 3'8" x 8"	.46 x 1.1 x .20	50 (23)	3/16	3.3" - 11"	330
24x96	1'6" x 4'4" x 8"	.46 x 1.3 x .20	55 (25)	3/19	3.3" - 11"	380
24x112	1'6" x 5'0" x 8"	.46 x 1.5 x .20	65 (30)	3/22	3.3" - 11"	440
24x128	1'6" x 5'7" x 8"	.46 x 1.7 x .20	75 (34)	3/25	3.3" - 11"	510
24x144	1'6" x 6'3" x 8"	.46 x 1.9 x .20	80 (37)	3/29	3.3" - 11"	560
24x160	1'6" x 6'10" x 8"	.46 x 2.1 x .20	90 (41)	3/32	3.3" - 11"	620
24x176	1'6" x 7'6" x 8"	.46 x 2.3 x .20	95 (43)	3/35	3.3" - 11"	670
24x192	1'6" x 8'1" x 8"	.46 x 2.5 x .20	105 (48)	3/38	3.3" - 11"	720
48x80	2'5" x 3'8" x 8"	.74 x 1.1 x .20	80 (37)	6/16	3.3" - 23"	590
48x96	2'5" x 4'4" x 8"	.74 x 1.3 x .20	95 (43)	6/19	3.3" - 23"	700
48x112	2'5" x 5'0" x 8"	.74 x 1.5 x .20	105 (48)	6/22	3.3" - 23"	830
48x128	2'5" x 5'7" x 8"	.74 x 1.7 x .20	120 (55)	6/25	3.3" - 23"	940
48x144	2'5" x 6'3" x 8"	.74 x 1.9 x .20	135 (62)	6/29	3.3" - 23"	1,040
48x160	2'5" x 6'10" x 8"	.74 x 2.1 x .20	145 (66)	6/32	3.3" - 23"	1,150
48x176	2'5" x 7'6" x 8"	.74 x 2.3 x .20	160 (73)	6/35	3.3" - 23"	1,280
72x80	3'5" x 3'8" x 8"	1.04 x 1.1 x .20	110 (50)	9/16	3.3" - 34"	880
72x96	3'5" x 4'4" x 8"	1.04 x 1.3 x .20	130 (59)	9/19	3.3" - 34"	1,040
72x112	3'5" x 5'0" x 8"	1.04 x 1.5 x .20	145 (66)	9/22	3.3" - 34"	1,200

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Audience Guide

PEDESTRIAN



Technical Specifications

Character Height:

7.6 mm: 2.1" (7 pixel font)

12 mm: 3.3" (7 pixel font)

Pixel Pitch:

7.6 mm: (0.3") center-to-center; 1,600 pixels per sq. ft.; 12 mm: (0.47") center-to-center; 645 pixels per sq. ft.

Color Capability:

7.6 mm: 1 color (red or amber)

12 mm: 32,768 colors

LEDs per Pixel:

7.6 mm: 1 red or 1 amber

12 mm: 3; 1 red, 1 green, 1 blue

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

7.6 mm: 30 degrees horizontal x 30 degrees vertical; 12 mm: 110 degrees horizontal x 50 degrees vertical

Contrast Enhancement:

7.6 mm: Polycarbonate face

12 mm: Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation, multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120 VAC; 12 mm: 240 VAC options

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber and Ethernet

Compliance Information:

UL and ULc listed

Display Configurations

Can be ordered in single-face (SF) configurations.



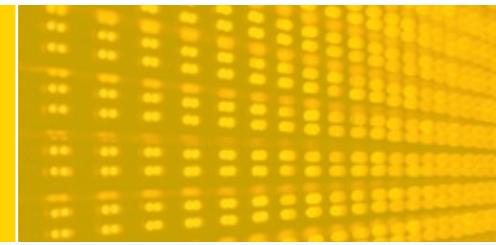
Model Number Guide

AF-3400-48 x 112 - 12 - RGB - SF

A=Matrix	Series	Matrix	Pixel	Red/Green	Single
F=LED	Number	Height	Length	Blue	Face
Outdoor					

Outdoor Matrix Displays

20 mm Mono 3400



Galaxy® 20 mm ■ Mono ■ 3400 Series



Left: Silvertip Casino
Missoula, Montana
32 x 112 matrix 20 mm Amber
Right: City of Spruce Grove
Spruce Grove, Alberta
32 x 144 matrix 20 mm Amber



Galaxy

Audience Guide

PEDESTRIAN



Technical Specifications

Character Height:

5.5" (7 pixel font)

Pixel Pitch:

20 mm (0.78") center-to-center;
230 pixels per sq. ft.

Color Capability:

64 shades of red or amber

LEDs per Pixel:

1 red or 1 amber

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120/240 VAC single phase;
240 VAC options

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Number Guide

AF-3400-16 x 48 - 20 - R - 2V

A=Matrix Series | Matrix | Matrix | Pixel | Red or Single
F=LED Number | Height | Length | Pitch | Amber Face or
Outdoor | LEDs | Two View



Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face
16x48	1'7" x 3'8" x 8"	.48 x 1.12 x .20	50 (23)	2 / 9	6" - 13"	160
16x64	1'7" x 4'9" x 8"	.48 x 1.45 x .20	60 (27)	2 / 12	6" - 13"	220
16x80	1'7" x 5'9" x 8"	.48 x 1.75 x .20	80 (36)	2 / 16	6" - 13"	260
16x96	1'7" x 6'9" x 8"	.48 x 2.06 x .20	90 (41)	2 / 19	6" - 13"	300
16x112	1'7" x 7'10" x 8"	.48 x 2.39 x .20	100 (45)	2 / 22	6" - 13"	330
16x128	1'7" x 8'10" x 8"	.48 x 2.69 x .20	120 (54)	2 / 25	6" - 13"	400
16x144	1'7" x 9'11" x 8"	.48 x 3.02 x .20	130 (59)	2 / 29	6" - 13"	430
16x160	1'7" x 10'11" x 8"	.48 x 3.33 x .20	140 (64)	2 / 32	6" - 13"	490
16x176	1'7" x 12'0" x 8"	.48 x 3.66 x .20	160 (73)	2 / 35	6" - 13"	530
16x192	1'7" x 13'0" x 8"	.48 x 3.96 x .20	170 (77)	2 / 38	6" - 13"	570
32x48	2'8" x 3'8" x 8"	.81 x 1.12 x .20	80 (36)	4 / 9	6" - 25"	300
32x64	2'8" x 4'9" x 8"	.81 x 1.45 x .20	100 (45)	4 / 12	6" - 25"	370
32x80	2'8" x 5'9" x 8"	.81 x 1.75 x .20	130 (59)	4 / 16	6" - 25"	470
32x96	2'8" x 6'9" x 8"	.81 x 2.06 x .20	150 (68)	4 / 19	6" - 25"	550
32x112	2'8" x 7'10" x 8"	.81 x 2.39 x .20	170 (77)	4 / 22	6" - 25"	650
32x128	2'8" x 8'10" x 8"	.81 x 2.69 x .20	190 (86)	4 / 25	6" - 25"	730
32x144	2'8" x 9'11" x 8"	.81 x 3.02 x .20	210 (95)	4 / 29	6" - 25"	830
32x160	2'8" x 10'11" x 8"	.81 x 3.33 x .20	240 (109)	4 / 32	6" - 25"	900
32x176	2'8" x 12'0" x 8"	.81 x 3.66 x .20	260 (118)	4 / 35	6" - 25"	1,000
32x192	2'8" x 13'0" x 8"	.81 x 3.96 x .20	280 (127)	4 / 38	6" - 25"	1,080
48x48	3'8" x 3'8" x 8"	1.12 x 1.12 x .20	110 (50)	6 / 9	6" - 37"	410
48x64	3'8" x 4'9" x 8"	1.12 x 1.45 x .20	140 (64)	6 / 12	6" - 37"	530
48x80	3'8" x 5'9" x 8"	1.12 x 1.75 x .20	170 (77)	6 / 16	6" - 37"	670
48x96	3'8" x 6'9" x 8"	1.12 x 2.06 x .20	200 (91)	6 / 19	6" - 37"	780
48x112	3'8" x 7'10" x 8"	1.12 x 2.39 x .20	240 (109)	6 / 22	6" - 37"	920
48x128	3'8" x 8'10" x 8"	1.12 x 2.69 x .20	270 (122)	6 / 25	6" - 37"	1,040
48x144	3'8" x 9'11" x 8"	1.12 x 3.02 x .20	300 (136)	6 / 29	6" - 37"	1,170
48x160	3'8" x 10'11" x 8"	1.12 x 3.33 x .20	330 (150)	6 / 32	6" - 37"	1,290
48x176	3'8" x 12'0" x 8"	1.12 x 3.66 x .20	360 (163)	6 / 35	6" - 37"	1,430
48x192	3'8" x 13'0" x 8"	1.12 x 3.96 x .20	390 (177)	6 / 38	6" - 37"	1,540
64x48	4'9" x 3'8" x 8"	1.45 x 1.12 x .20	140 (64)	8 / 9	6" - 50"	560
64x64	4'9" x 4'9" x 8"	1.45 x 1.45 x .20	180 (82)	8 / 12	6" - 50"	720
64x80	4'9" x 5'9" x 8"	1.45 x 1.75 x .20	220 (100)	8 / 16	6" - 50"	910
64x96	4'9" x 6'9" x 8"	1.45 x 2.06 x .20	260 (118)	8 / 19	6" - 50"	1,070
64x112	4'9" x 7'10" x 8"	1.45 x 2.39 x .20	300 (136)	8 / 22	6" - 50"	1,260
64x128	4'9" x 8'10" x 8"	1.45 x 2.69 x .20	340 (154)	8 / 25	6" - 50"	1,420
64x144	4'9" x 9'11" x 8"	1.45 x 3.02 x .20	380 (172)	8 / 29	6" - 50"	1,610
64x160	4'9" x 10'11" x 8"	1.45 x 3.33 x .20	420 (191)	8 / 32	6" - 50"	1,770
64x176	4'9" x 12'0" x 8"	1.45 x 3.66 x .20	460 (209)	8 / 35	6" - 50"	1,720
64x192	4'9" x 13'0" x 8"	1.45 x 3.96 x .20	500 (227)	8 / 38	6" - 50"	2,120

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

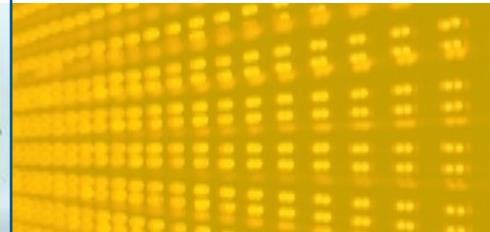
Galaxy® 20 mm ■ RGB ■ 3400 Series



Left: Palm Beach County Convention
West Palm Beach, Florida
64 x 128 matrix 20 mm RGB
Right: Downtown Ford
Canton, Ohio
48 x 144 matrix 20 mm RGB

Galaxy

Outdoor Matrix Displays



20 mm RGB 3400



Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face
16x48	1'7" x 3'8" x 8"	.48 x 1.12 x .20	50 (23)	2 / 9	6" - 13"	280
16x64	1'7" x 4'9" x 8"	.48 x 1.45 x .20	60 (27)	2 / 12	6" - 13"	380
16x80	1'7" x 5'9" x 8"	.48 x 1.75 x .20	80 (36)	2 / 16	6" - 13"	460
16x96	1'7" x 6'9" x 8"	.48 x 2.06 x .20	90 (41)	2 / 19	6" - 13"	540
16x112	1'7" x 7'10" x 8"	.48 x 2.39 x .20	100 (45)	2 / 22	6" - 13"	620
16x128	1'7" x 8'10" x 8"	.48 x 2.69 x .20	120 (54)	2 / 25	6" - 13"	720
16x144	1'7" x 9'11" x 8"	.48 x 3.02 x .20	130 (59)	2 / 29	6" - 13"	800
16x160	1'7" x 10'11" x 8"	.48 x 3.33 x .20	140 (64)	2 / 32	6" - 13"	910
16x176	1'7" x 12'0" x 8"	.48 x 3.66 x .20	160 (73)	2 / 35	6" - 13"	990
16x192	1'7" x 13'0" x 8"	.48 x 3.96 x .20	170 (77)	2 / 38	6" - 13"	1,070
32x48	2'8" x 3'8" x 8"	.81 x 1.12 x .20	80 (36)	4 / 9	6" - 25"	540
32x64	2'8" x 4'9" x 8"	.81 x 1.45 x .20	100 (45)	4 / 12	6" - 25"	700
32x80	2'8" x 5'9" x 8"	.81 x 1.75 x .20	130 (59)	4 / 16	6" - 25"	880
32x96	2'8" x 6'9" x 8"	.81 x 2.06 x .20	150 (68)	4 / 19	6" - 25"	1,040
32x112	2'8" x 7'10" x 8"	.81 x 2.39 x .20	170 (77)	4 / 22	6" - 25"	1,230
32x128	2'8" x 8'10" x 8"	.81 x 2.69 x .20	190 (86)	4 / 25	6" - 25"	1,390
32x144	2'8" x 9'11" x 8"	.81 x 3.02 x .20	210 (95)	4 / 29	6" - 25"	1,570
32x160	2'8" x 10'11" x 8"	.81 x 3.33 x .20	240 (109)	4 / 32	6" - 25"	1,730
32x176	2'8" x 12'0" x 8"	.81 x 3.66 x .20	260 (118)	4 / 35	6" - 25"	1,910
32x192	2'8" x 13'0" x 8"	.81 x 3.96 x .20	280 (127)	4 / 38	6" - 25"	2,070
48x48	3'8" x 3'8" x 8"	1.12 x 1.12 x .20	110 (50)	6 / 9	6" - 37"	780
48x64	3'8" x 4'9" x 8"	1.12 x 1.45 x .20	140 (64)	6 / 12	6" - 37"	1,020
48x80	3'8" x 5'9" x 8"	1.12 x 1.75 x .20	170 (77)	6 / 16	6" - 37"	1,280
48x96	3'8" x 6'9" x 8"	1.12 x 2.06 x .20	200 (91)	6 / 19	6" - 37"	1,520
48x112	3'8" x 7'10" x 8"	1.12 x 2.39 x .20	240 (109)	6 / 22	6" - 37"	1,780
48x128	3'8" x 8'10" x 8"	1.12 x 2.69 x .20	270 (122)	6 / 25	6" - 37"	2,020
48x144	3'8" x 9'11" x 8"	1.12 x 3.02 x .20	300 (136)	6 / 29	6" - 37"	2,290
48x160	3'8" x 10'11" x 8"	1.12 x 3.33 x .20	330 (150)	6 / 32	6" - 37"	2,520
48x176	3'8" x 12'0" x 8"	1.12 x 3.66 x .20	360 (163)	6 / 35	6" - 37"	2,790
48x192	3'8" x 13'0" x 8"	1.12 x 3.96 x .20	390 (177)	6 / 38	6" - 37"	3,030

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Audience Guide



Technical Specifications

Character Height:

5.5" (7 pixel font)

Pixel Pitch:

20 mm (0.78") center-to-center;
230 pixels per sq. ft.

Color Capability:

32,768 colors

LEDs per Pixel:

3: 1 red, 1 green and 1 blue

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120/240 VAC single phase;
240 VAC options

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Number Guide

AF-3400-16 x 48 - 20 - RGB - 2V

A=Matrix Series | Matrix | Matrix | Pixel | Red, Green, Blue | Single Face or Two View
F=LED Number | Height | Length | Pitch | and Blue LEDs

Outdoor Matrix Displays

34 mm Mono 3200

Galaxy® 34 mm ■ Mono ■ 3200 Series



Galaxy

Audience Guide CITY

Technical Specifications

Character Height:

9" (7 pixel font)

Pixel Pitch:

34 mm (1.33") center-to-center;
82 pixels per sq. ft.

Color Capability:

64 shades of red or amber

LEDs per Pixel:

2 red or 3 amber

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

70 degrees horizontal x
30 degrees vertical

Contrast Enhancement:

Polycarbonate face with louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120 VAC single phase; 240 VAC option

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Number Guide

AF-3200-24 x 64 - 34 - A - 2V

A=Matrix Series | Matrix | Matrix Pixel | Red or Single
F=LED Number | Height | Length | Pitch | Amber Face or
Outdoor | LEDs | Two View



Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face Red	Max. Watts per face Amber
16x64	2'2" x 7'8" x 6"	.65 x 2.32 x .14	110 (50)	2/12	9" - 21"	270	380
16x80	2'2" x 9'5" x 6"	.65 x 2.86 x .14	130 (59)	2/16	9" - 21"	320	450
16x96	2'2" x 11'2" x 6"	.65 x 3.4 x .14	150 (69)	2/19	9" - 21"	400	560
24x64	3'0" x 7'8" x 6"	.92 x 2.32 x .14	150 (69)	3/12	9" - 32"	400	560
24x80	3'0" x 9'5" x 6"	.92 x 2.86 x .14	175 (80)	3/16	9" - 32"	480	670
24x96	3'0" x 11'2" x 6"	.92 x 3.4 x .14	200 (91)	3/19	9" - 32"	580	810

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



Top Left: Auburn Bowling Center Auburn, Nebraska 16 x 80 matrix 34 mm Red

Bottom Left: Beezley Stor-All Ephrata, Washington 16 x 80 matrix 34 mm Amber

Right: Clay County Regional Event Center Spencer, Iowa 24 x 80 matrix 34 mm Amber

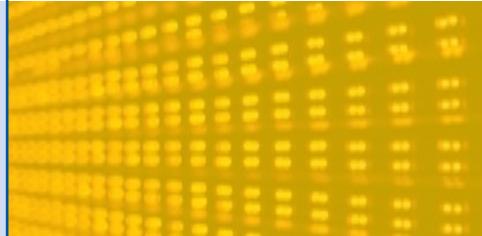
Galaxy® 34 mm ■ RGB ■ 3200 Series



Left: Galaxy display
48 x 112 matrix 34 mm RGB

Galaxy

Outdoor Matrix Displays



34 mm RGB 3200



Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face
16x64	2'2" x 7'8" x 6"	.65 x 2.32 x .14	110 (50)	2/12	9" - 21"	640
16x80	2'2" x 9'5" x 6"	.65 x 2.86 x .14	130 (59)	2/16	9" - 21"	790
16x96	2'2" x 11'2" x 6"	.65 x 3.4 x .14	150 (69)	2/19	9" - 21"	950
24x64	3'0" x 7'8" x 6"	.92 x 2.32 x .14	150 (69)	3/12	9" - 32"	950
24x80	3'0" x 9'5" x 6"	.92 x 2.86 x .14	175 (80)	3/16	9" - 32"	1,170
24x96	3'0" x 11'2" x 6"	.92 x 3.4 x .14	200 (91)	3/19	9" - 32"	1,410

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Audience Guide CITY

Technical Specifications

Character Height:

9" (7 pixel font)

Pixel Pitch:

34 mm (1.33") center-to-center;
82 pixels per sq. ft.

Color Capability:

32,768 colors

LEDs per Pixel:

3: 1 red, 1 green and 1 blue

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

70 degrees horizontal x
30 degrees vertical

Contrast Enhancement:

Polycarbonate face with louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120 VAC single phase; 240 VAC option

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Number Guide

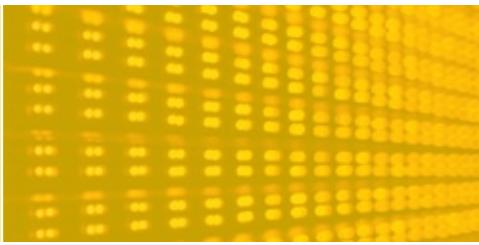
AF-3200-24 x 64 - 34 - RGB - 2V

A=Matrix Series | Matrix | Pixel | Red, Green, Blue | Single Face or Two View
F=LED Number | Height | Length | Pitch | and Blue LEDs
Outdoor

Outdoor Matrix Displays

34 mm Mono 3400

Galaxy® 34 mm ■ Mono ■ 3400 Series



Left: Life Church
Fergus Falls, Minnesota
24 x 80 matrix 34 mm Amber
Right: AAA Car Care Plus
Toledo, Ohio
24 x 64 matrix 34 mm Red



Galaxy

Audience Guide CITY

Technical Specifications

Character Height:

9" (7 pixel font)

Pixel Pitch:

34 mm (1.33") center-to-center; 82 pixels per sq. ft.

Color Capability:

64 shades of red or amber

LEDs per Pixel:

2 red or 3 amber

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120 VAC; 120/240 VAC single phase;
240 VAC options

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

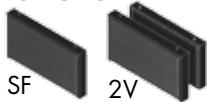


Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Characters per Face Height	Max. Watts Face Red	Max. Watts per Face Amber
8x48	1'5" x 5'10" x 8"	.43 x 1.78 x .20	75 (35)	1/9	9" - 11"	140	180
8x64	1'5" x 7'8" x 8"	.43 x 2.32 x .20	95 (44)	1/12	9" - 11"	190	250
8x80	1'5" x 9'5" x 8"	.43 x 2.86 x .20	120 (55)	1/16	9" - 11"	220	290
8x96	1'5" x 11'2" x 8"	.43 x 3.40 x .20	140 (64)	1/19	9" - 11"	250	340
8x112	1'5" x 13'0" x 8"	.43 x 3.94 x .20	160 (73)	1/22	9" - 11"	300	400
8x128	1'5" x 14'9" x 8"	.43 x 4.48 x .20	185 (84)	1/25	9" - 11"	340	450
8x144	1'5" x 16'6" x 8"	.43 x 5.02 x .20	205 (93)	1/29	9" - 11"	370	500
8x160	1'5" x 18'3" x 8"	.43 x 5.57 x .20	225 (103)	1/32	9" - 11"	420	560
8x176	1'5" x 20'1" x 8"	.43 x 6.11 x .20	250 (114)	1/35	9" - 11"	450	610
8x192	1'5" x 21'10" x 8"	.43 x 6.65 x .20	270 (123)	1/38	9" - 11"	480	650
16x48	2'4" x 5'10" x 8"	.7 x 1.78 x .20	120 (55)	2/9	9" - 21"	250	340
16x64	2'4" x 7'8" x 8"	.7 x 2.32 x .20	155 (71)	2/12	9" - 21"	340	450
16x80	2'4" x 9'5" x 8"	.7 x 2.86 x .20	190 (87)	2/16	9" - 21"	400	540
16x96	2'4" x 11'2" x 8"	.7 x 3.40 x .20	225 (103)	2/19	9" - 21"	480	650
16x112	2'4" x 13'0" x 8"	.7 x 3.94 x .20	260 (118)	2/22	9" - 21"	550	740
16x128	2'4" x 14'9" x 8"	.7 x 4.48 x .20	300 (137)	2/25	9" - 21"	630	860
16x144	2'4" x 16'6" x 8"	.7 x 5.02 x .20	335 (152)	2/29	9" - 21"	710	970
16x160	2'4" x 18'3" x 8"	.7 x 5.57 x .20	370 (168)	2/32	9" - 21"	780	1,060
16x176	2'4" x 20'1" x 8"	.7 x 6.11 x .20	405 (184)	2/35	9" - 21"	860	1,170
16x192	2'4" x 21'10" x 8"	.7 x 6.65 x .20	440 (200)	2/38	9" - 21"	950	1,290
24x48	3'3" x 5'10" x 8"	.97 x 1.78 x .20	165 (75)	3/9	9" - 32"	370	500
24x64	3'3" x 7'8" x 8"	.97 x 2.32 x .20	215 (98)	3/12	9" - 32"	480	650
24x80	3'3" x 9'5" x 8"	.97 x 2.86 x .20	265 (121)	3/16	9" - 32"	600	810
24x96	3'3" x 11'2" x 8"	.97 x 3.40 x .20	315 (143)	3/19	9" - 32"	710	970
24x112	3'3" x 13'0" x 8"	.97 x 3.94 x .20	365 (166)	3/22	9" - 32"	830	1,130
24x128	3'3" x 14'9" x 8"	.97 x 4.48 x .20	410 (186)	3/25	9" - 32"	950	1,290
24x144	3'3" x 16'6" x 8"	.97 x 5.02 x .20	460 (209)	3/29	9" - 32"	1,060	1,450
24x160	3'3" x 18'3" x 8"	.97 x 5.57 x .20	510 (232)	3/32	9" - 32"	1,180	1,600
24x176	3'3" x 20'1" x 8"	.97 x 6.11 x .20	560 (255)	3/35	9" - 32"	1,290	1,760
24x192	3'3" x 21'10" x 8"	.97 x 6.65 x .20	610 (277)	3/38	9" - 32"	1,410	1,920
32x48	4'1" x 5'10" x 8"	1.24 x 1.78 x .20	210 (96)	4/9	9" - 42"	460	630
32x64	4'1" x 7'8" x 8"	1.24 x 2.32 x .20	275 (125)	4/12	9" - 42"	610	840
32x80	4'1" x 9'5" x 8"	1.24 x 2.86 x .20	335 (152)	4/16	9" - 42"	750	1,040
32x96	4'1" x 11'2" x 8"	1.24 x 3.40 x .20	400 (182)	4/19	9" - 42"	900	1,240
32x112	4'1" x 13'0" x 8"	1.24 x 3.94 x .20	465 (211)	4/22	9" - 42"	1,050	1,450
32x128	4'1" x 14'9" x 8"	1.24 x 4.48 x .20	525 (239)	4/25	9" - 42"	1,200	1,650
32x144	4'1" x 16'6" x 8"	1.24 x 5.02 x .20	590 (268)	4/29	9" - 42"	1,340	1,860
32x160	4'1" x 18'3" x 8"	1.24 x 5.57 x .20	655 (298)	4/32	9" - 42"	1,490	2,060
32x176	4'1" x 20'1" x 8"	1.24 x 6.11 x .20	715 (325)	4/35	9" - 42"	1,640	2,260
32x192	4'1" x 21'10" x 8"	1.24 x 6.65 x .20	780 (354)	4/38	9" - 42"	1,780	2,470

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Number Guide

AF-3400-16 x 48 - 34 - R - SF

A=Matrix | Series | Matrix | Matrix | Pixel | Red or Single
F= LED Number | Height | Length | Pitch | Amber Face or
Outdoor | LEDs | Two View

Galaxy® 34 mm ■ Mono ■ 3400 Series

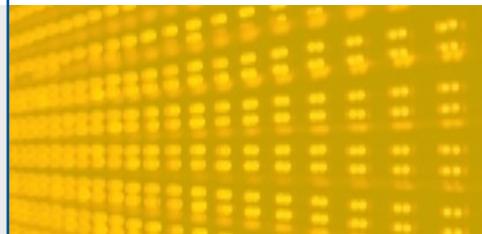


Left: Christian Labour Association of Canada
Edmonton, Alberta
32 x 80 matrix 34 mm Amber
Right: Busy Bee
Crestwood, Illinois
32 x 96 matrix 34 mm Amber
Top Right: US Alliance Credit Union
Fireside, Colorado
32 x 80 matrix 34 mm Red
Below Right: Black Cat Fireworks
Denver, Colorado
16 x 96 matrix 34 mm Red



Galaxy

Outdoor Matrix Displays

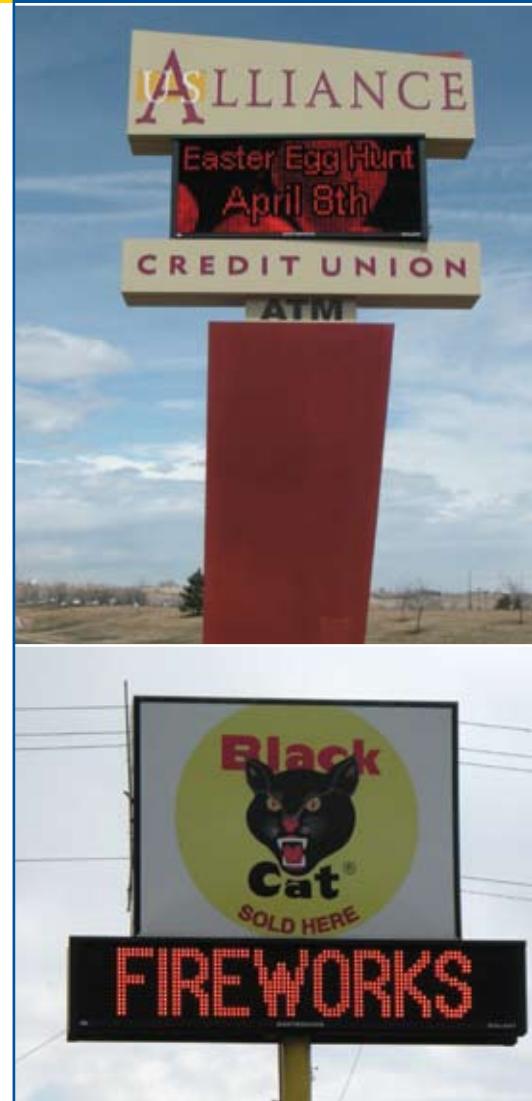


34 mm Mono 3400

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Max. Character Height	Max. Watts per face Red	Max. Watts per face Amber
40x48	5'0" x 5'10" x 8"	1.51 x 1.78 x .20	255 (116)	5/9	9" - 53"	610	820
40x64	5'0" x 7'8" x 8"	1.51 x 2.32 x .20	335 (152)	5/12	9" - 53"	800	1,090
40x80	5'0" x 9'5" x 8"	1.51 x 2.86 x .20	410 (186)	5/16	9" - 53"	1,000	1,360
40x96	5'0" x 11'2" x 8"	1.51 x 3.40 x .20	485 (220)	5/19	9" - 53"	1,200	1,620
40x112	5'0" x 13'0" x 8"	1.51 x 3.94 x .20	565 (257)	5/22	9" - 53"	1,390	1,890
40x128	5'0" x 14'9" x 8"	1.51 x 4.48 x .20	640 (291)	5/25	9" - 53"	1,590	2,160
40x144	5'0" x 16'6" x 8"	1.51 x 5.02 x .20	720 (327)	5/29	9" - 53"	1,790	2,430
40x160	5'0" x 18'3" x 8"	1.51 x 5.57 x .20	795 (361)	5/32	9" - 53"	1,980	2,690
40x176	5'0" x 20'1" x 8"	1.51 x 6.11 x .20	875 (397)	5/35	9" - 53"	2,180	2,960
40x192	5'0" x 21'10" x 8"	1.51 x 6.65 x .20	950 (431)	5/38	9" - 53"	2,380	3,230
48x48	5'10" x 5'10" x 8"	1.78 x 1.78 x .20	300 (137)	6/9	9" - 64"	700	960
48x64	5'10" x 7'8" x 8"	1.78 x 2.32 x .20	390 (177)	6/12	9" - 64"	930	1,270
48x80	5'10" x 9'5" x 8"	1.78 x 2.86 x .20	485 (220)	6/16	9" - 64"	1,160	1,580
48x96	5'10" x 11'2" x 8"	1.78 x 3.40 x .20	575 (261)	6/19	9" - 64"	1,390	1,900
48x112	5'10" x 13'0" x 8"	1.78 x 3.94 x .20	665 (302)	6/22	9" - 64"	1,610	2,210
48x128	5'10" x 14'9" x 8"	1.78 x 4.48 x .20	755 (343)	6/25	9" - 64"	1,840	2,520
48x144	5'10" x 16'6" x 8"	1.78 x 5.02 x .20	845 (384)	6/29	9" - 64"	2,070	2,840
48x160	5'10" x 18'3" x 8"	1.78 x 5.57 x .20	940 (427)	6/32	9" - 64"	2,300	3,150
48x176	5'10" x 20'1" x 8"	1.78 x 6.11 x .20	1,030 (468)	6/35	9" - 64"	2,520	3,460
48x192	5'10" x 21'10" x 8"	1.78 x 6.65 x .20	1,120 (509)	6/38	9" - 64"	2,750	3,780
56x48	6'9" x 5'10" x 8"	2.05 x 1.78 x .20	345 (157)	7/9	9" - 74"	800	1,100
56x64	6'9" x 7'8" x 8"	2.05 x 2.32 x .20	450 (205)	7/12	9" - 74"	1,060	1,450
56x80	6'9" x 9'5" x 8"	2.05 x 2.86 x .20	555 (252)	7/16	9" - 74"	1,310	1,810
56x96	6'9" x 11'2" x 8"	2.05 x 3.40 x .20	660 (300)	7/19	9" - 74"	1,570	2,170
56x112	6'9" x 13'0" x 8"	2.05 x 3.94 x .20	765 (347)	7/22	9" - 74"	1,830	2,530
56x128	6'9" x 14'9" x 8"	2.05 x 4.48 x .20	870 (395)	7/25	9" - 74"	2,090	2,890
56x144	6'9" x 16'6" x 8"	2.05 x 5.02 x .20	975 (443)	7/29	9" - 74"	2,350	3,250
56x160	6'9" x 18'3" x 8"	2.05 x 5.57 x .20	1,080 (490)	7/32	9" - 74"	2,610	3,610
56x176	6'9" x 20'1" x 8"	2.05 x 6.11 x .20	1,185 (538)	7/35	9" - 74"	2,870	3,960
56x192	6'9" x 21'10" x 8"	2.05 x 6.65 x .20	1,290 (586)	7/38	9" - 74"	3,130	4,320
64x48	7'8" x 5'10" x 8"	2.32 x 1.78 x .20	390 (177)	8/9	9" - 85"	890	1,230
64x64	7'8" x 7'8" x 8"	2.32 x 2.32 x .20	510 (232)	8/12	9" - 85"	1,180	1,640
64x80	7'8" x 9'5" x 8"	2.32 x 2.86 x .20	630 (286)	8/16	9" - 85"	1,470	2,040
64x96	7'8" x 11'2" x 8"	2.32 x 3.40 x .20	750 (341)	8/19	9" - 85"	1,760	2,440
64x112	7'8" x 13'0" x 8"	2.32 x 3.94 x .20	865 (393)	8/22	9" - 85"	2,050	2,850
64x128	7'8" x 14'9" x 8"	2.32 x 4.48 x .20	985 (447)	8/25	9" - 85"	2,340	3,250
64x144	7'8" x 16'6" x 8"	2.32 x 5.02 x .20	1,105 (502)	8/29	9" - 85"	2,630	3,660
64x160	7'8" x 18'3" x 8"	2.32 x 5.57 x .20	1,225 (556)	8/32	9" - 85"	2,920	4,060
64x176	7'8" x 20'1" x 8"	2.32 x 6.11 x .20	1,340 (608)	8/35	9" - 85"	3,210	4,460
64x192	7'8" x 21'10" x 8"	2.32 x 6.65 x .20	1,460 (663)	8/38	9" - 85"	3,500	4,870

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



Outdoor Matrix Displays

34 mm RGB 3400



Galaxy® 34 mm ■ RGB ■ 3400 Series



Left: First Baptist Church
Aberdeen, South Dakota
24 x 80 matrix 34 mm RGB



Right: Alley 21
Hillsboro, Ohio
48 x 112 matrix 34 mm RGB

Galaxy

Audience Guide CITY

Technical Specifications

Character Height:

9" (7 pixel font)

Pixel Pitch:

34 mm (1.33") center-to-center;
82 pixels per sq. ft.

Color Capability:

32,768 colors

LEDs per Pixel:

6: 2 red, 2 green and 2 blue

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120/240 VAC single phase;
240 VAC options

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face
8x48	1'5" x 5'10" x 8"	0.43 x 1.78 x .20	75 (35)	1 / 9	9" - 11"	310
8x64	1'5" x 7'8" x 8"	0.43 x 2.32 x .20	95 (44)	1 / 12	9" - 11"	430
8x80	1'5" x 9'5" x 8"	0.43 x 2.86 x .20	120 (55)	1 / 16	9" - 11"	520
8x96	1'5" x 11'2" x 8"	0.43 x 3.40 x .20	140 (64)	1 / 19	9" - 11"	610
8x112	1'5" x 13'0" x 8"	0.43 x 3.94 x .20	160 (73)	1 / 22	9" - 11"	720
8x128	1'5" x 14'9" x 8"	0.43 x 4.48 x .20	185 (84)	1 / 25	9" - 11"	810
8x144	1'5" x 16'6" x 8"	0.43 x 5.02 x .20	205 (93)	1 / 29	9" - 11"	900
8x160	1'5" x 18'3" x 8"	0.43 x 5.57 x .20	225 (103)	1 / 32	9" - 11"	1,020
8x176	1'5" x 20'1" x 8"	0.43 x 6.11 x .20	250 (114)	1 / 35	9" - 11"	1,110
8x192	1'5" x 21'10" x 8"	0.43 x 6.65 x .20	270 (123)	1 / 38	9" - 11"	1,200
16x48	2'4" x 5'10" x 8"	0.7 x 1.78 x .20	120 (55)	2 / 9	9" - 21"	610
16x64	2'4" x 7'8" x 8"	0.7 x 2.32 x .20	155 (71)	2 / 12	9" - 21"	810
16x80	2'4" x 9'5" x 8"	0.7 x 2.86 x .20	190 (87)	2 / 16	9" - 21"	1,000
16x96	2'4" x 11'2" x 8"	0.7 x 3.40 x .20	225 (103)	2 / 19	9" - 21"	1,200
16x112	2'4" x 13'0" x 8"	0.7 x 3.94 x .20	260 (118)	2 / 22	9" - 21"	1,380
16x128	2'4" x 14'9" x 8"	0.7 x 4.48 x .20	300 (137)	2 / 25	9" - 21"	1,580
16x144	2'4" x 16'6" x 8"	0.7 x 5.02 x .20	335 (152)	2 / 29	9" - 21"	1,790
16x160	2'4" x 18'3" x 8"	0.7 x 5.57 x .20	370 (168)	2 / 32	9" - 21"	1,970
16x176	2'4" x 20'1" x 8"	0.7 x 6.11 x .20	405 (184)	2 / 35	9" - 21"	2,170
16x192	2'4" x 21'10" x 8"	0.7 x 6.65 x .20	440 (200)	2 / 38	9" - 21"	2,380
24x48	3'3" x 5'10" x 8"	0.97 x 1.78 x .20	165 (75)	3 / 9	9" - 32"	900
24x64	3'3" x 7'8" x 8"	0.97 x 2.32 x .20	215 (98)	3 / 12	9" - 32"	1,200
24x80	3'3" x 9'5" x 8"	0.97 x 2.86 x .20	265 (121)	3 / 16	9" - 32"	1,500
24x96	3'3" x 11'2" x 8"	0.97 x 3.40 x .20	315 (143)	3 / 19	9" - 32"	1,790
24x112	3'3" x 13'0" x 8"	0.97 x 3.94 x .20	365 (166)	3 / 22	9" - 32"	2,080
24x128	3'3" x 14'9" x 8"	0.97 x 4.48 x .20	410 (186)	3 / 25	9" - 32"	2,380
24x144	3'3" x 16'6" x 8"	0.97 x 5.02 x .20	460 (209)	3 / 29	9" - 32"	2,670
24x160	3'3" x 18'3" x 8"	0.97 x 5.57 x .20	510 (232)	3 / 32	9" - 32"	2,970
24x176	3'3" x 20'1" x 8"	0.97 x 6.11 x .20	560 (255)	3 / 35	9" - 32"	3,260
24x192	3'3" x 21'10" x 8"	0.97 x 6.65 x .20	610 (277)	3 / 38	9" - 32"	3,560

Model Number Guide

AF-3400-16 x 48 - 34 - RGB - 2V

A=Matrix F=LED S=Series N=Number | M=Matrix H=Height L=Length | P=Pixel Pitch | R=Red, G=Green, B=Blue | S=Single Face or Two View | O=Outdoor

Galaxy® 34 mm ■ RGB ■ 3400 Series

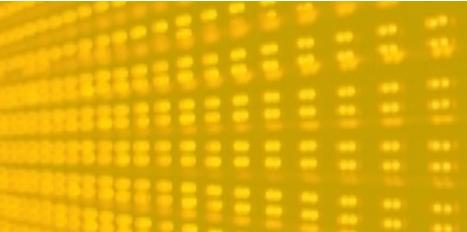
Outdoor Matrix Displays



Left: The Mill Casino
North Bend, Oregon
48 x 128 matrix 34 mm RGB
Right: Tom Ridge Center Lrg Format Theater
Erie, Pennsylvania
32 x 128 matrix 34 mm RGB
Top Right: First International Bank of Minot
Minot, North Dakota
24 x 128 matrix 34 mm RGB
Below Right: Wheely Clean Car Wash
Northfield Center, Ohio
16 x 64 matrix 34 mm RGB



Galaxy



34 mm RGB 3400

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face
32x48	4'1" x 5'10" x 8"	1.24 x 1.78 x .20	210 (96)	4 / 9	9" - 42"	1,180
32x64	4'1" x 7'8" x 8"	1.24 x 2.32 x .20	275 (125)	4 / 12	9" - 42"	1,560
32x80	4'1" x 9'5" x 8"	1.24 x 2.86 x .20	335 (152)	4 / 16	9" - 42"	1,950
32x96	4'1" x 11'2" x 8"	1.24 x 3.40 x .20	400 (182)	4 / 19	9" - 42"	2,330
32x112	4'1" x 13'0" x 8"	1.24 x 3.94 x .20	465 (211)	4 / 22	9" - 42"	2,720
32x128	4'1" x 14'9" x 8"	1.24 x 4.48 x .20	525 (239)	4 / 25	9" - 42"	3,100
32x144	4'1" x 16'6" x 8"	1.24 x 5.02 x .20	590 (268)	4 / 29	9" - 42"	3,490
32x160	4'1" x 18'3" x 8"	1.24 x 5.57 x .20	655 (298)	4 / 32	9" - 42"	3,870
32x176	4'1" x 20'1" x 8"	1.24 x 6.11 x .20	715 (325)	4 / 35	9" - 42"	4,260
32x192	4'1" x 21'10" x 8"	1.24 x 6.65 x .20	780 (354)	4 / 38	9" - 42"	4,650
40x48	5'0" x 5'10" x 8"	1.51 x 1.78 x .20	255 (116)	5 / 9	9" - 53"	1,500
40x64	5'0" x 7'8" x 8"	1.51 x 2.32 x .20	335 (152)	5 / 12	9" - 53"	2,000
40x80	5'0" x 9'5" x 8"	1.51 x 2.86 x .20	410 (186)	5 / 16	9" - 53"	2,490
40x96	5'0" x 11'2" x 8"	1.51 x 3.40 x .20	485 (220)	5 / 19	9" - 53"	2,990
40x112	5'0" x 13'0" x 8"	1.51 x 3.94 x .20	565 (257)	5 / 22	9" - 53"	3,480
40x128	5'0" x 14'9" x 8"	1.51 x 4.48 x .20	640 (291)	5 / 25	9" - 53"	3,970
40x144	5'0" x 16'6" x 8"	1.51 x 5.02 x .20	720 (327)	5 / 29	9" - 53"	4,470
40x160	5'0" x 18'3" x 8"	1.51 x 5.57 x .20	795 (361)	5 / 32	9" - 53"	4,960
40x176	5'0" x 20'1" x 8"	1.51 x 6.11 x .20	875 (397)	5 / 35	9" - 53"	5,460
40x192	5'0" x 21'10" x 8"	1.51 x 6.65 x .20	950 (431)	5 / 38	9" - 53"	5,950
48x48	5'10" x 5'10" x 8"	1.78 x 1.78 x .20	300 (137)	6 / 9	9" - 64"	1,780
48x64	5'10" x 7'8" x 8"	1.78 x 2.32 x .20	390 (177)	6 / 12	9" - 64"	2,360
48x80	5'10" x 9'5" x 8"	1.78 x 2.86 x .20	485 (220)	6 / 16	9" - 64"	2,950
48x96	5'10" x 11'2" x 8"	1.78 x 3.40 x .20	575 (261)	6 / 19	9" - 64"	3,530
48x112	5'10" x 13'0" x 8"	1.78 x 3.94 x .20	665 (302)	6 / 22	9" - 64"	4,120
48x128	5'10" x 14'9" x 8"	1.78 x 4.48 x .20	755 (343)	6 / 25	9" - 64"	4,700
48x144	5'10" x 16'6" x 8"	1.78 x 5.02 x .20	845 (384)	6 / 29	9" - 64"	5,290
48x160	5'10" x 18'3" x 8"	1.78 x 5.57 x .20	940 (427)	6 / 32	9" - 64"	5,870
48x176	5'10" x 20'1" x 8"	1.78 x 6.11 x .20	1,030 (468)	6 / 35	9" - 64"	6,460
48x192	5'10" x 21'10" x 8"	1.78 x 6.65 x .20	1,120 (509)	6 / 38	9" - 64"	7,040

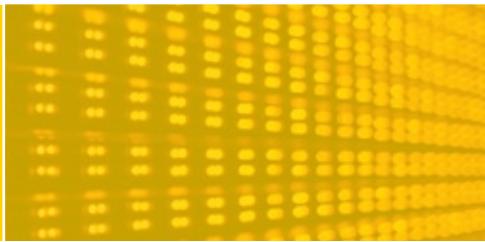
Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



Outdoor Matrix Displays

46 mm Mono 3400



Galaxy® 46 mm ■ Mono ■ 3400 Series



Left: Explore USA RV
Kyle, Texas
40 x 96 matrix 46 mm Amber



Right: Market Square Cheese
Lake Delton, Wisconsin
8 x 80 matrix 46 mm Red

Galaxy

Audience Guide CITY



Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/Characters Per Line	Character Height	Max. Watts Per Face
8x48	1'9" x 7'9" x 8"	.52 x 2.35 x .20	120 (55)	1/9	14"	260
8x64	1'9" x 10'1" x 8"	.52 x 3.08 x .20	155 (71)	1/12	14"	320
8x80	1'9" x 12'6" x 8"	.52 x 3.81 x .20	190 (87)	1/16	14"	410
8x96	1'9" x 14'11" x 8"	.52 x 4.54 x .20	225 (103)	1/19	14"	470
8x112	1'9" x 17'4" x 8"	.52 x 5.28 x .20	265 (121)	1/22	14"	560
8x128	1'9" x 19'9" x 8"	.52 x 6.01 x .20	300 (137)	1/25	14"	620
8x144	1'9" x 22'1" x 8"	.52 x 6.74 x .20	335 (152)	1/29	14"	710
8x160	1'9" x 24'6" x 8"	.52 x 7.47 x .20	370 (168)	1/32	14"	770
8x176	1'9" x 26'11" x 8"	.52 x 8.20 x .20	405 (184)	1/35	14"	860
8x192	1'9" x 29'4" x 8"	.52 x 8.93 x .20	445 (202)	1/38	14"	920
16x48	2'11" x 7'9" x 8"	.89 x 2.35 x .20	200 (91)	2/9	12" - 29"	470
16x64	2'11" x 10'1" x 8"	.89 x 3.08 x .20	260 (118)	2/12	12" - 29"	620
16x80	2'11" x 12'6" x 8"	.89 x 3.81 x .20	325 (148)	2/16	12" - 29"	770
16x96	2'11" x 14'11" x 8"	.89 x 4.54 x .20	385 (175)	2/19	12" - 29"	920
16x112	2'11" x 17'4" x 8"	.89 x 5.28 x .20	445 (202)	2/22	12" - 29"	1,070
16x128	2'11" x 19'9" x 8"	.89 x 6.01 x .20	505 (230)	2/25	12" - 29"	1,220
16x144	2'11" x 22'1" x 8"	.89 x 6.74 x .20	570 (259)	2/29	12" - 29"	1,370
16x160	2'11" x 24'6" x 8"	.89 x 7.47 x .20	630 (286)	2/32	12" - 29"	1,500
16x176	2'11" x 26'11" x 8"	.89 x 8.20 x .20	690 (313)	2/35	12" - 29"	1,650
16x192	2'11" x 29'4" x 8"	.89 x 8.93 x .20	755 (343)	2/38	12" - 29"	1,800
24x48	4'1" x 7'9" x 8"	1.25 x 2.35 x .20	280 (128)	3/9	12" - 43"	660
24x64	4'1" x 10'1" x 8"	1.25 x 3.08 x .20	370 (168)	3/12	12" - 43"	880
24x80	4'1" x 12'6" x 8"	1.25 x 3.81 x .20	455 (207)	3/16	12" - 43"	1,090
24x96	4'1" x 14'11" x 8"	1.25 x 4.54 x .20	540 (245)	3/19	12" - 43"	1,310
24x112	4'1" x 17'4" x 8"	1.25 x 5.28 x .20	630 (286)	3/22	12" - 43"	1,520
24x128	4'1" x 19'9" x 8"	1.25 x 6.01 x .20	715 (325)	3/25	12" - 43"	1,740
24x144	4'1" x 22'1" x 8"	1.25 x 6.74 x .20	800 (363)	3/29	12" - 43"	1,950
24x160	4'1" x 24'6" x 8"	1.25 x 7.47 x .20	890 (404)	3/32	12" - 43"	2,170
24x176	4'1" x 26'11" x 8"	1.25 x 8.20 x .20	975 (443)	3/35	12" - 43"	2,380
24x192	4'1" x 29'4" x 8"	1.25 x 8.93 x .20	1,060 (481)	3/38	12" - 43"	2,590
32x48	5'4" x 7'9" x 8"	1.62 x 2.35 x .20	365 (166)	4/9	12" - 58"	870
32x64	5'4" x 10'1" x 8"	1.62 x 3.08 x .20	475 (216)	4/12	12" - 58"	1,130
32x80	5'4" x 12'6" x 8"	1.62 x 3.81 x .20	585 (266)	4/16	12" - 58"	1,380
32x96	5'4" x 14'11" x 8"	1.62 x 4.54 x .20	700 (318)	4/19	12" - 58"	1,680
32x112	5'4" x 17'4" x 8"	1.62 x 5.28 x .20	810 (368)	4/22	12" - 58"	1,940
32x128	5'4" x 19'9" x 8"	1.62 x 6.01 x .20	925 (420)	4/25	12" - 58"	2,190
32x144	5'4" x 22'1" x 8"	1.62 x 6.74 x .20	1,035 (470)	4/29	12" - 58"	2,490
32x160	5'4" x 24'6" x 8"	1.62 x 7.47 x .20	1,145 (520)	4/32	12" - 58"	2,750
32x176	5'4" x 26'11" x 8"	1.62 x 8.20 x .20	1,260 (572)	4/35	12" - 58"	3,000
32x192	5'4" x 29'4" x 8"	1.62 x 8.93 x .20	1,370 (622)	4/38	12" - 58"	3,260

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Number Guide

AF-3400-48x128 - 46 - R - SF

A=Matrix | Series | Matrix | Matrix | Pixel | Red or Single
F=LED | Number | Height | Length | Pitch | Amber Face or
Outdoor | LEDs | Two View

Galaxy® 46 mm ■ Mono ■ 3400 Series

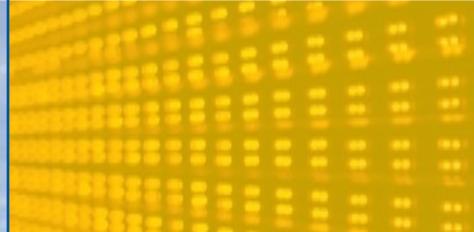
Outdoor Matrix Displays



Left: Stratford Suites
Airway Heights, Washington
32 x 96 matrix 46 mm Red
Right: Mid Valley Mall
Sunnyside, Washington
24 x 112 matrix 46 mm Red
Top Right: Cancer Treatment Center
Tulsa, Oklahoma
48 x 144 matrix 46 mm Amber
Below Right: Coopers Corner Liquor
Bethel, Minnesota
16 x 80 matrix 46 mm Red



Galaxy



46 mm Mono 3400



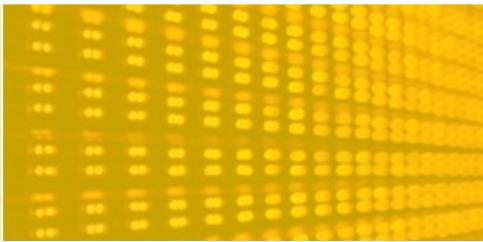
Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts Per Face
40x48	6'7" x 7'9" x 8"	1.98 x 2.35 x .20	445 (202)	5/9	12" - 72"	1,060
40x64	6'7" x 10'1" x 8"	1.98 x 3.08 x .20	580 (264)	5/12	12" - 72"	1,380
40x80	6'7" x 12'6" x 8"	1.98 x 3.81 x .20	720 (327)	5/16	12" - 72"	1,700
40x96	6'7" x 14'11" x 8"	1.98 x 4.54 x .20	85 (388)	5/19	12" - 72"	2,070
40x112	6'7" x 17'4" x 8"	1.98 x 5.28 x .20	995 (452)	5/22	12" - 72"	2,390
40x128	6'7" x 19'9" x 8"	1.98 x 6.01 x .20	1,130 (513)	5/25	12" - 72"	2,750
40x144	6'7" x 22'1" x 8"	1.98 x 6.74 x .20	1,270 (577)	5/29	12" - 72"	3,070
40x160	6'7" x 24'6" x 8"	1.98 x 7.47 x .20	1,405 (638)	5/32	12" - 72"	3,430
40x176	6'7" x 26'11" x 8"	1.98 x 8.20 x .20	1,545 (701)	5/35	12" - 72"	3,750
40x192	6'7" x 29'4" x 8"	1.98 x 8.93 x .20	1,680 (763)	5/38	12" - 72"	4,070
48x48	7'9" x 7'9" x 8"	2.35 x 2.35 x .20	525 (239)	6/9	12" - 87"	1,260
48x64	7'9" x 10'1" x 8"	2.35 x 3.08 x .20	690 (313)	6/12	12" - 87"	1,640
48x80	7'9" x 12'6" x 8"	2.35 x 3.81 x .20	850 (386)	6/16	12" - 87"	2,070
48x96	7'9" x 14'11" x 8"	2.35 x 4.54 x .20	1,015 (461)	6/19	12" - 87"	2,450
48x112	7'9" x 17'4" x 8"	2.35 x 5.28 x .20	1,175 (533)	6/22	12" - 87"	2,880
48x128	7'9" x 19'9" x 8"	2.35 x 6.01 x .20	1,340 (608)	6/25	12" - 87"	3,260
48x144	7'9" x 22'1" x 8"	2.35 x 6.74 x .20	1,500 (681)	6/29	12" - 87"	3,690
48x160	7'9" x 24'6" x 8"	2.35 x 7.47 x .20	1,665 (756)	6/32	12" - 87"	4,070
48x176	7'9" x 26'11" x 8"	2.35 x 8.20 x .20	1,830 (831)	6/35	12" - 87"	4,500
48x192	7'9" x 29'4" x 8"	2.35 x 8.93 x .20	1,990 (903)	6/38	12" - 87"	4,880
56x48	8'11" x 7'9" x 8"	2.72 x 2.35 x .20	605 (275)	7/9	12" - 101"	1,450
56x64	8'11" x 10'1" x 8"	2.72 x 3.08 x .20	795 (361)	7/12	12" - 101"	1,940
56x80	8'11" x 12'6" x 8"	2.72 x 3.81 x .20	985 (447)	7/16	12" - 101"	2,390
56x96	8'11" x 14'11" x 8"	2.72 x 4.54 x .20	1,170 (531)	7/19	12" - 101"	2,880
56x112	8'11" x 17'4" x 8"	2.72 x 5.28 x .20	1,360 (617)	7/22	12" - 101"	3,330
56x128	8'11" x 19'9" x 8"	2.72 x 6.01 x .20	1,550 (704)	7/25	12" - 101"	3,810
56x144	8'11" x 22'1" x 8"	2.72 x 6.74 x .20	1,735 (787)	7/29	12" - 101"	4,300
64x48	10'1" x 7'9" x 8"	3.08 x 2.35 x .20	690 (313)	8/9	12" - 116"	1,640
64x64	10'1" x 10'1" x 8"	3.08 x 3.08 x .20	900 (409)	8/12	12" - 116"	2,190
64x80	10'1" x 12'6" x 8"	3.08 x 3.81 x .20	1,115 (506)	8/16	12" - 116"	2,750
64x96	10'1" x 14'11" x 8"	3.08 x 4.54 x .20	1,330 (604)	8/19	12" - 116"	3,260
64x112	10'1" x 17'4" x 8"	3.08 x 5.28 x .20	1,540 (699)	8/22	12" - 116"	3,810
64x128	10'1" x 19'9" x 8"	3.08 x 6.01 x .20	1,755 (797)	8/25	12" - 116"	4,370
64x144	10'1" x 22'1" x 8"	3.08 x 6.74 x .20	1,970 (894)	8/29	12" - 116"	4,880

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Outdoor Matrix Displays

46 mm RGB 3400



Galaxy® 46 mm ■ RGB ■ 3400 Series



Galaxy

Audience Guide

Technical Specifications

Character Height:

12" (7 pixel font)

Pixel Pitch:

46 mm (1.8") center-to-center;
44 pixels per sq. ft.

Color Capability:

32,768 colors

LEDs per Pixel:

9: 3 red, 3 green, 3 blue

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120/240 VAC single phase;
240 VAC options

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed



Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts Per Face
8x48	1'9" x 7'9" x 8"	0.52 x 2.35 x .20	120 (55)	1 / 9	14"	440
8x64	1'9" x 10'1" x 8"	0.52 x 3.08 x .20	155 (71)	1 / 12	14"	560
8x80	1'9" x 12'6" x 8"	0.52 x 3.81 x .20	190 (87)	1 / 16	14"	710
8x96	1'9" x 14'11" x 8"	0.52 x 4.54 x .20	225 (103)	1 / 19	14"	840
8x112	1'9" x 17'4" x 8"	0.52 x 5.28 x .20	265 (121)	1 / 22	14"	980
8x128	1'9" x 19'9" x 8"	0.52 x 6.01 x .20	300 (137)	1 / 25	14"	1,110
8x144	1'9" x 22'1" x 8"	0.52 x 6.74 x .20	335 (152)	1 / 29	14"	1,250
8x160	1'9" x 24'6" x 8"	0.52 x 7.47 x .20	370 (168)	1 / 32	14"	1,380
8x176	1'9" x 26'11" x 8"	0.52 x 8.20 x .20	405 (184)	1 / 35	14"	1,530
8x192	1'9" x 29'4" x 8"	0.52 x 8.93 x .20	445 (202)	1 / 38	14"	1,650
16x48	2'11" x 7'9" x 8"	0.89 x 2.35 x .20	200 (91)	2 / 9	12" - 29"	840
16x64	2'11" x 10'1" x 8"	0.89 x 3.08 x .20	260 (118)	2 / 12	12" - 29"	1,110
16x80	2'11" x 12'6" x 8"	0.89 x 3.81 x .20	325 (148)	2 / 16	12" - 29"	1,380
16x96	2'11" x 14'11" x 8"	0.89 x 4.54 x .20	385 (175)	2 / 19	12" - 29"	1,650
16x112	2'11" x 17'4" x 8"	0.89 x 5.28 x .20	445 (202)	2 / 22	12" - 29"	1,920
16x128	2'11" x 19'9" x 8"	0.89 x 6.01 x .20	505 (230)	2 / 25	12" - 29"	2,200
16x144	2'11" x 22'1" x 8"	0.89 x 6.74 x .20	570 (259)	2 / 29	12" - 29"	2,470
16x160	2'11" x 24'6" x 8"	0.89 x 7.47 x .20	630 (286)	2 / 32	12" - 29"	2,720
16x176	2'11" x 26'11" x 8"	0.89 x 8.20 x .20	690 (313)	2 / 35	12" - 29"	2,990
16x192	2'11" x 29'4" x 8"	0.89 x 8.93 x .20	755 (343)	2 / 38	12" - 29"	3,260
24x48	4'1" x 7'9" x 8"	1.25 x 2.35 x .20	280 (128)	3 / 9	12" - 43"	1,210
24x64	4'1" x 10'1" x 8"	1.25 x 3.08 x .20	370 (168)	3 / 12	12" - 43"	1,610
24x80	4'1" x 12'6" x 8"	1.25 x 3.81 x .20	455 (207)	3 / 16	12" - 43"	2,000
24x96	4'1" x 14'11" x 8"	1.25 x 4.54 x .20	540 (245)	3 / 19	12" - 43"	2,400
24x112	4'1" x 17'4" x 8"	1.25 x 5.28 x .20	630 (286)	3 / 22	12" - 43"	2,800
24x128	4'1" x 19'9" x 8"	1.25 x 6.01 x .20	715 (325)	3 / 25	12" - 43"	3,200
24x144	4'1" x 22'1" x 8"	1.25 x 6.74 x .20	800 (363)	3 / 29	12" - 43"	3,590
24x160	4'1" x 24'6" x 8"	1.25 x 7.47 x .20	890 (404)	3 / 32	12" - 43"	3,990
24x176	4'1" x 26'11" x 8"	1.25 x 8.20 x .20	975 (443)	3 / 35	12" - 43"	4,390
24x192	4'1" x 29'4" x 8"	1.25 x 8.93 x .20	1,060 (481)	3 / 38	12" - 43"	4,780
32x48	5'4" x 7'9" x 8"	1.62 x 2.35 x .20	365 (166)	4 / 9	12" - 58"	1,640
32x64	5'4" x 10'1" x 8"	1.62 x 3.08 x .20	475 (216)	4 / 12	12" - 58"	2,140
32x80	5'4" x 12'6" x 8"	1.62 x 3.81 x .20	585 (266)	4 / 16	12" - 58"	2,680
32x96	5'4" x 14'11" x 8"	1.62 x 4.54 x .20	700 (318)	4 / 19	12" - 58"	3,180
32x112	5'4" x 17'4" x 8"	1.62 x 5.28 x .20	810 (368)	4 / 22	12" - 58"	3,720
32x128	5'4" x 19'9" x 8"	1.62 x 6.01 x .20	925 (420)	4 / 25	12" - 58"	4,220
32x144	5'4" x 22'1" x 8"	1.62 x 6.74 x .20	1,035 (470)	4 / 29	12" - 58"	4,760
32x160	5'4" x 24'6" x 8"	1.62 x 7.47 x .20	1,145 (520)	4 / 32	12" - 58"	5,260
32x176	5'4" x 26'11" x 8"	1.62 x 8.20 x .20	1,260 (572)	4 / 35	12" - 58"	5,800
32x192	5'4" x 29'4" x 8"	1.62 x 8.93 x .20	1,370 (622)	4 / 38	12" - 58"	6,300

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Number Guide

AF-3400-48 x 128-46 - RGB - SF

A=Matrix | Series | Matrix | Pixel | Red, Green, Blue | Single Face or Outdoor | F=LED Number | Height | Length | Pitch | LEDs | Two View

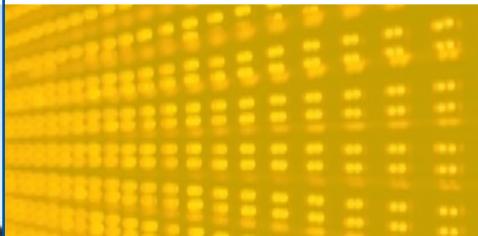
Galaxy® 46 mm ■ RGB ■ 3400 Series



Left: Jack's Campers
Mitchell, South Dakota
32 x 80 matrix 46 mm RGB
Right: Budizol SA
Wloclawek, Poland
64 x 112 matrix 46 mm RGB
Top Right: Dierbergs Florissant
Florissant, Missouri
48 x 96 matrix 46 mm RGB
Below Right: Ville St. Laurant
Montreal, Quebec
40 x 192 matrix 46 mm RGB



Outdoor Matrix Displays



46 mm RGB 3400

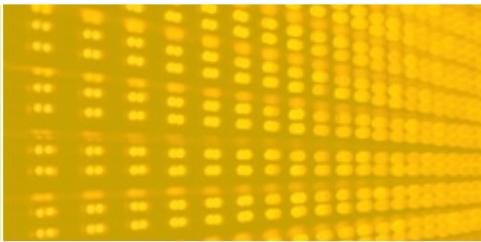


Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Outdoor Matrix Displays

89 mm Mono 3400



Galaxy® 89 mm □ Mono □ 3400 Series



Left: Truman Bank
Imperial, Missouri
16 x 80 matrix 89 mm Red
Right: Mini Cooper Billboard
New York, New York
16 x 112 matrix 89 mm Amber



Galaxy

Audience Guide

Technical Specifications

Character Height:

24" (7 pixel font)

Pixel Pitch:

89 mm (3.5") center-to-center;
12 pixels per sq. ft.

Color Capability:

64 shades of red or amber

LEDs per Pixel:

8 red or 20 amber

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120/240 VAC single phase or
120/208 VAC three phase

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in a single-face
(SF) configuration.



Model Number Guide

AF-3400-16 x 48 -89-R

A=Matrix Series | Matrix | Matrix | Pixel | Red or
F=LED | Number | Height | Length | Pitch | Amber
Outdoor | LEDs

Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face Red	Max. Watts per face Amber
8x48	2'10" x 14'6" x 8"	.9 x 4.4 x .20	340 (154)	1/9	28"	560	1,180
8x64	2'10" x 19'2" x 8"	.9 x 5.8 x .20	440 (200)	1/12	28"	740	1,570
8x80	2'10" x 23'10" x 8"	.9 x 7.3 x .20	550 (249)	1/16	28"	930	1,970
8x96	2'10" x 28'6" x 8"	.9 x 8.7 x .20	650 (295)	1/19	28"	1,120	2,360
8x112	2'10" x 33'2" x 8"	.9 x 10.1 x .20	750 (340)	1/22	28"	1,300	2,750
16x48	5'2" x 14'6" x 8"	1.6 x 4.4 x .20	610 (277)	2/9	24" - 56"	1,120	2,360
16x64	5'2" x 19'2" x 8"	1.6 x 5.8 x .20	800 (363)	2/12	24" - 56"	1,480	3,140
16x80	5'2" x 23'10" x 8"	1.6 x 7.3 x .20	990 (449)	2/16	24" - 56"	1,850	3,920
16x96	5'2" x 28'6" x 8"	1.6 x 8.7 x .20	1,180 (535)	2/19	24" - 56"	2,210	4,690
16x112	5'2" x 33'2" x 8"	1.6 x 10.1 x .20	1,370 (621)	2/22	24" - 56"	2,580	5,470
24x48	7'6" x 14'6" x 8"	2.3 x 4.4 x .20	880 (399)	3/9	24" - 84"	1,540	3,410
24x64	7'6" x 19'2" x 8"	2.3 x 5.8 x .20	1,160 (526)	3/12	24" - 84"	2,050	4,530
24x80	7'6" x 23'10" x 8"	2.3 x 7.3 x .20	1,430 (649)	3/16	24" - 84"	2,560	5,660
24x96	7'6" x 28'6" x 8"	2.3 x 8.7 x .20	1,710 (776)	3/19	24" - 84"	3,070	6,790
24x112	7'6" x 33'2" x 8"	2.3 x 10.1 x .20	1,990 (903)	3/22	24" - 84"	3,580	7,920
32x48	9'10" x 14'6" x 8"	3.0 x 4.4 x .20	1,150 (522)	4/9	24" - 112"	2,210	4,690
32x64	9'10" x 19'2" x 8"	3.0 x 5.8 x .20	1,510 (685)	4/12	24" - 112"	2,940	6,250
32x80	9'10" x 23'10" x 8"	3.0 x 7.3 x .20	1,880 (853)	4/16	24" - 112"	3,670	7,810
32x96	9'10" x 28'6" x 8"	3.0 x 8.7 x .20	2,240 (1,016)	4/19	24" - 112"	4,410	9,370
32x112	9'10" x 33'2" x 8"	3.0 x 10.1 x .20	2,610 (1,184)	4/22	24" - 112"	5,140	10,930
40x48	12'2" x 14'6" x 8"	3.7 x 4.4 x .20	1,420 (644)	5/9	24" - 140"	2,640	5,740
40x64	12'2" x 19'2" x 8"	3.7 x 5.8 x .20	1,870 (848)	5/12	24" - 140"	3,510	7,650
40x80	12'2" x 23'10" x 8"	3.7 x 7.3 x .20	2,320 (1,052)	5/16	24" - 140"	4,390	9,560
40x96	12'2" x 28'6" x 8"	3.7 x 8.7 x .20	2,780 (1,261)	5/19	24" - 140"	5,260	11,470
40x112	12'2" x 33'2" x 8"	3.7 x 10.1 x .20	3,230 (1,465)	5/22	24" - 140"	6,140	13,370
48x48	14'6" x 14'6" x 8"	4.4 x 4.4 x .20	1,690 (767)	6/9	24" - 168"	3,070	6,790
48x64	14'6" x 19'2" x 8"	4.4 x 5.8 x .20	2,230 (1,012)	6/12	24" - 168"	4,090	9,050
48x80	14'6" x 23'10" x 8"	4.4 x 7.3 x .20	2,770 (1,256)	6/16	24" - 168"	5,100	11,310
48x96	14'6" x 28'6" x 8"	4.4 x 8.7 x .20	3,310 (1,501)	6/19	24" - 168"	6,120	13,560
48x112	14'6" x 33'2" x 8"	4.4 x 10.1 x .20	3,850 (1,746)	6/22	24" - 168"	7,140	15,820

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Galaxy® 89 mm ■ RGB ■ 3200 Series



Left: Spirit Lake Casino and Resort
St. Michael, North Dakota
32 x 80 matrix 89 mm RGB
Right: Private Mini Storage
Austin, Texas
16 x 64 matrix 89 mm RGB



Galaxy



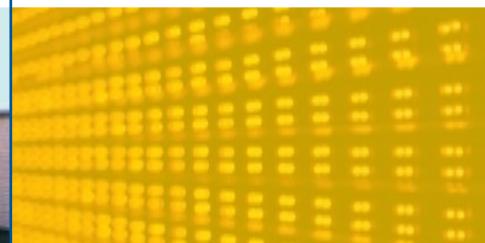
Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/Characters Per Line	Character Height	Max. Watts per face
8x48	2'10" x 14'6" x 8"	.9 x 4.4 x .20	460 (209)	1/9	28"	1,240
8x64	2'10" x 19'2" x 8"	.9 x 5.8 x .20	600 (272)	1/12	28"	1,660
8x80	2'10" x 23'10" x 8"	.9 x 7.3 x .20	750 (340)	1/16	28"	2,070
8x96	2'10" x 28'6" x 8"	.9 x 8.7 x .20	890 (404)	1/19	28"	2,490
8x112	2'10" x 33'2" x 8"	.9 x 10.1 x .20	1,030 (467)	1/22	28"	2,900
16x48	5'2" x 14'6" x 8"	1.6 x 4.4 x .20	830 (376)	2/9	24"- 56"	2,490
16x64	5'2" x 19'2" x 8"	1.6 x 5.8 x .20	1,090 (494)	2/12	24"- 56"	3,310
16x80	5'2" x 23'10" x 8"	1.6 x 7.3 x .20	1,360 (617)	2/16	24"- 56"	4,130
16x96	5'2" x 28'6" x 8"	1.6 x 8.7 x .20	1,620 (735)	2/19	24"- 56"	4,960
16x112	5'2" x 33'2" x 8"	1.6 x 10.1 x .20	1,880 (853)	2/22	24"- 56"	5,780
24x48	7'6" x 14'6" x 8"	2.3 x 4.4 x .20	1,200 (544)	3/9	24"- 84"	3,600
24x64	7'6" x 19'2" x 8"	2.3 x 5.8 x .20	1,580 (717)	3/12	24"- 84"	4,800
24x80	7'6" x 23'10" x 8"	2.3 x 7.3 x .20	1,970 (894)	3/16	24"- 84"	5,990
24x96	7'6" x 28'6" x 8"	2.3 x 8.7 x .20	2,350 (1,066)	3/19	24"- 84"	7,180
24x112	7'6" x 33'2" x 8"	2.3 x 10.1 x .20	2,730 (1,238)	3/22	24"- 84"	8,380
32x48	9'10" x 14'6" x 8"	3.0 x 4.4 x .20	1,570 (712)	4/9	24"- 112"	4,960
32x64	9'10" x 19'2" x 8"	3.0 x 5.8 x .20	2,070 (939)	4/12	24"- 112"	6,600
32x80	9'10" x 23'10" x 8"	3.0 x 7.3 x .20	2,580 (1,170)	4/16	24"- 112"	8,250
32x96	9'10" x 28'6" x 8"	3.0 x 8.7 x .20	3,080 (1,397)	4/19	24"- 112"	9,890
32x112	9'10" x 33'2" x 8"	3.0 x 10.1 x .20	3,580 (1,624)	4/22	24"- 112"	11,540
40x48	12'2" x 14'6" x 8"	3.7 x 4.4 x .20	1,940 (880)	5/9	24"- 140"	6,070
40x64	12'2" x 19'2" x 8"	3.7 x 5.8 x .20	2,570 (1,166)	5/12	24"- 140"	8,090
40x80	12'2" x 23'10" x 8"	3.7 x 7.3 x .20	3,190 (1,447)	5/16	24"- 140"	10,100
40x96	12'2" x 28'6" x 8"	3.7 x 8.7 x .20	3,810 (1,728)	5/19	24"- 140"	12,120
40x112	12'2" x 33'2" x 8"	3.7 x 10.1 x .20	4,430 (2,009)	5/22	24"- 140"	14,140
48x48	14'6" x 14'6" x 8"	4.4 x 4.4 x .20	2,310 (1,048)	6/9	24"- 168"	7,180
48x64	14'6" x 19'2" x 8"	4.4 x 5.8 x .20	3,060 (1,388)	6/12	24"- 168"	9,570
48x80	14'6" x 23'10" x 8"	4.4 x 7.3 x .20	3,800 (1,724)	6/16	24"- 168"	11,960
48x96	14'6" x 28'6" x 8"	4.4 x 8.7 x .20	4,540 (2,059)	6/19	24"- 168"	14,350
48x112	14'6" x 33'2" x 8"	4.4 x 10.1 x .20	5,280 (2,395)	6/22	24"- 168"	16,740

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Outdoor Matrix Displays



89 mm RGB 3200

Audience Guide



Technical Specifications

Character Height:

24" (7 pixel font)

Pixel Pitch:

89 mm (3.5") center-to-center;
12 pixels per sq. ft.

Color Capability:

32,768 colors

LEDs per Pixel:

18 Total: 5 red, 7 green, 6 blue

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

40 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500 software

Power:

120/240 VAC single phase or
120/208 VAC three phase

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet Fiber and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in a single-face (SF) configuration.



SF

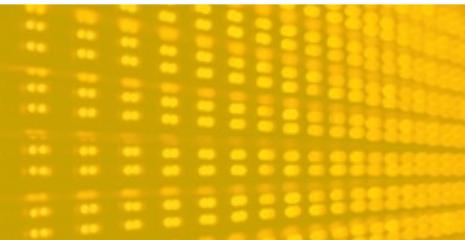
Model Number Guide

AF-3200-16 x 48-89-RGB

A=Matrix Series | Matrix | Matrix | Pixel | Red, Green
F=LED Number | Height | Length | Pitch | and Blue
Outdoor | LEDs

Outdoor Matrix Displays

36"/48" Mono 3400



Galaxy® 36" and 48" Character • Mono



Left: Builders Bargains
Palmer, Alaska
7 x 64 matrix 171 mm Red

Galaxy

Audience Guide

Technical Specifications

Character Height:

36" (7 pixel font); 48" (7 pixel font)

Pixel Pitch:

133 mm (5.25") center-to-center, 5.2 pixels per sq. ft.; 171 mm (6.75") center-to-center, 3.4 pixels per sq. ft.

Color Capability:

64 shades of red or amber

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120/240 VAC single phase or
120/208 VAC three phase

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in a single-face (SF) configuration.



Model Number Guide

AF-3400-7 x 80-171-R

A=Matrix Series | F=LED Number | Matrix Height | Matrix Length | Pixel Pitch | Red or Amber Outdoor | LEDs



36" Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face Red	Max. Watts per face Amber
7x48	3'6" x 21'4" x 8"	1.1 x 6.4 x .20	750 (280)	1/9	36"	1,280	2,610
7x64	3'6" x 28'4" x 8"	1.1 x 8.5 x .20	990 (370)	1/12	36"	1,700	3,480
7x80	3'6" x 35'4" x 8"	1.1 x 10.7 x .20	1,235 (460)	1/16	36"	2,120	4,340
16x64	7'0" x 28'4" x 8"	2.1 x 8.5 x .20	1,990 (760)	2/12	36" - 84"	3,390	6,930
16x80	7'0" x 35'4" x 8"	2.1 x 10.7 x .20	2,470 (920)	2/16	36" - 84"	4,230	8,660

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

48" Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face Red	Max. Watts per face Amber
7x48	4'6" x 27'4" x 8"	1.3 x 8.2 x .20	1,230 (460)	1/9	48"	1,280	2,610
7x64	4'6" x 36'4" x 8"	1.3 x 11.0 x .20	1,630 (610)	1/12	48"	1,700	3,480
7x80	4'6" x 45'4" x 8"	1.3 x 13.7 x .20	2,040 (760)	1/16	48"	2,120	4,340
16x64	9'0" x 36'4" x 8"	2.7 x 11.0 x .20	3,270 (1,220)	2/12	48" - 104"	3,390	6,930
16x80	9'0" x 45'4" x 8"	2.7 x 13.7 x .20	4,080 (1,520)	2/16	48" - 104"	4,230	8,660

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Galaxy® 60" and 72" Character ■ Mono

Right: Conoco Town Pump
Rocker, Montana
7 x 48 matrix 260 mm Red



60" Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face Red	Max. Watts per face Amber
7x48	5'8" x 34'4" x 8"	1.7 x 10.4 x .20	1,950 (725)	1/9	60"	1,640	2,640
7x64	5'8" x 45'8" x 8"	1.7 x 13.8 x .20	2,585 (960)	1/12	60"	2,180	3,510
7x80	5'8" x 57'0" x 8"	1.7 x 17.3 x .20	3,220 (1,200)	1/16	60"	2,720	4,380

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

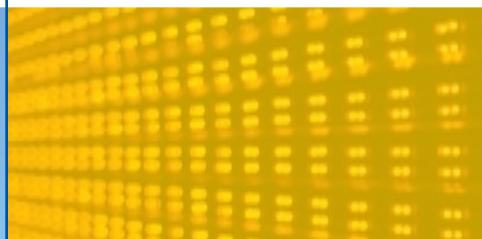
72" Model Specifications

Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face Red	Max. Watts per face Amber
7x48	6'10" x 41'4" x 8"	2.1 x 12.5 x .20	2,260 (845)	1/9	72"	1,640	2,640
7x64	6'10" x 55'0" x 8"	2.1 x 16.7 x .20	3,000 (1,120)	1/12	72"	2,180	3,510
7x80	6'10" x 68'8" x 8"	2.1 x 20.8 x .20	3,750 (1,400)	1/16	72"	2,720	4,380

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Outdoor Matrix Displays



64"/72" Mono 3400

Audience Guide

Technical Specifications

Character Height:

60" (7 pixel font); 72" (7 pixel font)

Pixel Pitch:

216 mm (8.5") center-to-center, 2 pixels per sq. ft.; 260 mm (10.25") center-to-center, 1.4 pixels per sq. ft.

Color Capability:

64 shades of red or amber

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics, logos, basic animation,
multiple font styles and sizes

Control Software:

Venus® 1500

Power:

120/240 VAC single phase or
120/208 VAC three phase

Display Dimming:

64 levels (automatic or manual control)

Communication Options:

RS232, RS422, Modem, Serial Fiber,
Ethernet and Radio

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in a single-face (SF) configuration.



Model Number Guide

AF-3400-7 x 80-216-A

A=Matrix Series | Matrix | Matrix | Pixel | Red or
F=LED | Number | Height | Length | Pitch | Amber
Outdoor | LEDs

Indoor Video Displays



ProStar® Displays

Right: Lakewood Church Central
Houston, Texas
480 x 848 matrix 12 mm,
420 x 780 matrix 8 mm
Top Left: HBO Shop
New York, New York
384 x 720 matrix 4 mm,
64 x 1536 matrix 6 mm
Bottom Left: DaimlerChrysler
Köln, Germany
448 x 576 matrix 10 mm



Indoor LED video displays are the perfect medium for up-close viewing in high ambient light areas, such as atriums, storefronts, entrances, theater productions, or studios.

In addition, Daktronics can build LED video displays to any size and aspect ratio, meaning that LED displays can cover larger surface areas than other display types.

LED advantages over projectors, plasma displays, and LCDs include:

- Longer lifetime
- Several times brighter
- No backlights to ever replace
- No unsightly mullions between sections
- Capable of being built to any size and aspect ratio

Applications for indoor LED displays include:

- Shopping centers and retail stores
- Casinos
- Corporate headquarters
- Worship sanctuaries
- Entertainment
- Financial exchanges

Technical Specifications

Line and Column Spacing

Line and Column Spacing (mm)	Calibrated Intensity (nits)	Viewing Angles	Lifetime (hours)
4	1,600	150° V x 150° H	100,000
6	2,000	150° V x 150° H	100,000
10	2,000	150° V x 150° H	100,000
12	2,000	150° V x 150° H	100,000

ProStar® Displays



Left: Radio Shack
Ft. Worth, Texas
128 x 1984 matrix 10 mm
Top Right: Stage Entertainment
Dirty Dancing
Hamburg, Germany
256 x 192 matrix 10 mm
Bottom Right: Virgin Records
New York, New York
256 x 480 matrix 10 mm

Indoor Video Displays



HD-4i/PS-6i

HD-4i Model Specifications

Lines x Columns	Approx. Aspect Ratio	Cabinet Feet and Inches H x W	Cabinet Meters H x W	Approx. Weight Pounds (kg)	Max. Power
240x336	4:3 Traditional	3'5" x 4'8"	1.05 x 1.43	512 (232)	4,032
240x432	16:9 Wide Screen	3'5" x 5'11"	1.05 x 1.81	644 (292)	5,184
336x432	4:3 Traditional	4'8" x 5'11"	1.43 x 1.81	882 (400)	7,258
336x672	16:9 Wide Screen	4'8" x 9'1"	1.43 x 2.77	1,344 (609)	11,290
384x528	4:3 Traditional	5'4" x 7'2"	1.62 x 2.20	1,212 (550)	10,138
384x720	16:9 Wide Screen	5'4" x 9'9"	1.62 x 2.96	1,634 (741)	13,824
432x576	4:3 Traditional	5'11" x 7'10"	1.81 x 2.39	1,476 (669)	12,442
432x768	16:9 Wide Screen	5'11" x 10'4"	1.81 x 3.15	1,901 (862)	16,589
528x720	4:3 Traditional	7'2" x 9'9"	2.20 x 2.96	2,178 (988)	19,008
528x912	16:9 Wide Screen	7'2" x 12'3"	2.20 x 3.73	2,759 (1,251)	24,077
576x768	4:3 Traditional	7'10" x 10'4"	2.39 x 3.15	2,534 (1,150)	22,118
576x1008	16:9 Wide Screen	7'10" x 13'6"	2.39 x 4.11	3,326 (1,509)	29,030
624x816	4:3 Traditional	8'6" x 11'0"	2.58 x 3.34	2,917 (1,323)	25,459
624x1152	16:9 Wide Screen	8'6" x 15'4"	2.58 x 4.68	4,118 (1,868)	35,942
720x960	4:3 Traditional	9'9" x 12'10"	2.96 x 3.92	3,960 (1,796)	34,560
720x1296	16:9 Wide Screen	9'9" x 17'3"	2.96 x 5.26	5,346 (2,425)	46,656

Additional matrix sizes are available

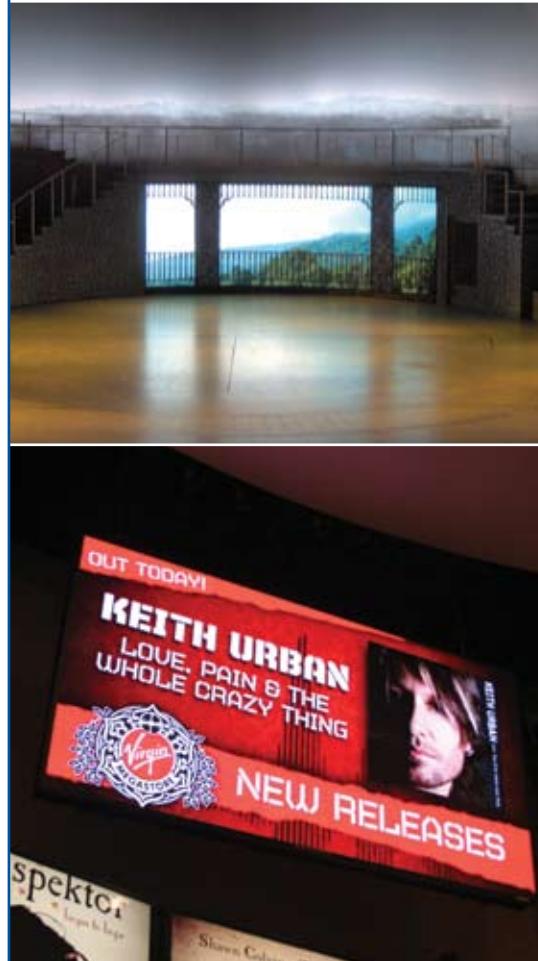
Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

PS-6i Model Specifications

Lines x Columns	Approx. Aspect Ratio	Cabinet Feet and Inches H x W	Cabinet Meters H x W	Approx. Weight Pounds (kg)	Max. Power
96x160	4:3 Traditional	2'2" x 3'5"	0.66 x 1.05	133 (60)	1,229
96x192	16:9 Wide Screen	2'2" x 4'1"	0.66 x 1.24	149 (68)	1,475
128x160	4:3 Traditional	2'10" x 3'5"	0.86 x 1.05	160 (73)	1,638
128x224	16:9 Wide Screen	2'10" x 4'8"	0.86 x 1.43	204 (93)	2,294
160x192	4:3 Traditional	3'5" x 4'1"	1.05 x 1.24	215 (98)	2,458
160x288	16:9 Wide Screen	3'5" x 6'0"	1.05 x 1.82	298 (135)	3,686
192x256	4:3 Traditional	4'1" x 5'4"	1.24 x 1.62	314 (142)	3,932
192x352	16:9 Wide Screen	4'1" x 7'3"	1.24 x 2.20	413 (187)	5,407
224x288	4:3 Traditional	4'8" x 6'0"	1.43 x 1.82	397 (180)	5,161
224x384	16:9 Wide Screen	4'8" x 7'10"	1.43 x 2.39	512 (232)	6,881
256x352	4:3 Traditional	5'4" x 7'3"	1.62 x 2.20	534 (242)	7,209
256x448	16:9 Wide Screen	5'4" x 9'1"	1.62 x 2.78	616 (279)	9,175
288x384	4:3 Traditional	6'0" x 7'10"	1.82 x 2.39	594 (269)	8,847
288x512	16:9 Wide Screen	6'0" x 10'4"	1.82 x 3.16	792 (359)	11,796
320x416	4:3 Traditional	6'7" x 8'6"	2.01 x 2.58	715 (324)	10,650
320x576	16:9 Wide Screen	6'7" x 11'7"	2.01 x 3.54	990 (449)	14,746
352x480	4:3 Traditional	7'3" x 9'9"	2.20 x 2.97	908 (412)	13,517
352x640	16:9 Wide Screen	7'3" x 12'11"	2.20 x 3.93	1,210 (549)	18,022
384x512	4:3 Traditional	7'10" x 10'4"	2.39 x 3.16	1,056 (479)	15,729
384x672	16:9 Wide Screen	7'10" x 13'6"	2.39 x 4.12	1,386 (629)	20,644

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



Model Number Guide

PS - 10i - 224x288

ProStar Pixel Pitch Matrix

i=Indoor

Indoor Video Displays

PS-10i



ProStar® Displays

Right: Prominent Financial Institution
New York, New York
custom matrix 6 mm

Top Left: Sands Macau
Macau, China

384 x 1504 matrix 16 mm

Bottom Left: Major Morning News Set
New York, New York
760 x 320 matrix 3 mm



PS-10i Model Specifications

Lines x Columns	Approx. Aspect Ratio	Cabinet Feet and Inches H x W	Cabinet Meters H x W	Approx. Weight Pounds (kg)	Max. Power
96x128	4:3 Traditional	3'5" x 4'5"	1.04 x 1.36	182 (83)	1,413
96x160	16:9 Wide Screen	3'5" x 5'6"	1.04 x 1.67	215 (98)	1,766
128x160	4:3 Traditional	4'5" x 5'6"	1.36 x 1.67	270 (122)	2,355
128x224	16:9 Wide Screen	4'5" x 7'7"	1.36 x 2.31	358 (162)	3,297
160x192	4:3 Traditional	5'6" x 6'6"	1.67 x 1.99	380 (172)	3,533
160x288	16:9 Wide Screen	5'6" x 9'8"	1.67 x 2.94	545 (247)	5,299
192x256	4:3 Traditional	6'6" x 8'7"	1.99 x 2.63	578 (262)	5,652
192x352	16:9 Wide Screen	6'6" x 11'9"	1.99 x 3.58	776 (352)	7,772
224x288	4:3 Traditional	7'7" x 9'8"	2.31 x 2.94	743 (337)	7,419
224x384	16:9 Wide Screen	7'7" x 12'9"	2.31 x 3.89	974 (442)	9,892
256x352	4:3 Traditional	8'7" x 11'9"	2.63 x 3.58	1,018 (462)	10,363
256x448	16:9 Wide Screen	8'7" x 14'10"	2.63 x 4.53	1,232 (559)	13,189
288x384	4:3 Traditional	9'8" x 12'9"	2.94 x 3.89	1,188 (539)	12,718
288x512	16:9 Wide Screen	9'8" x 16'11"	2.94 x 5.16	1,584 (719)	16,957
320x416	4:3 Traditional	10'8" x 13'10"	3.26 x 4.21	1,430 (649)	15,309
320x576	16:9 Wide Screen	10'8" x 19'0"	3.26 x 5.80	1,980 (898)	21,197
352x480	4:3 Traditional	11'9" x 15'11"	3.58 x 4.85	1,815 (823)	19,430
352x640	16:9 Wide Screen	11'9" x 21'1"	3.58 x 6.43	2,420 (1,098)	25,907
384x512	4:3 Traditional	12'9" x 16'11"	3.89 x 5.16	2,112 (958)	22,610
384x672	16:9 Wide Screen	12'9" x 22'2"	3.89 x 6.75	2,772 (1,257)	29,676

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

ProStar® Displays

Indoor Video Displays



Left: Kuwait Stock Exchange
Kuwait City, Kuwait
256 x 992 matrix 6 mm
Top Right: Blue Man Group
Las Vegas, Nevada
256 x 480 matrix 10 mm and 6 mm pipe configuration
Bottom Right: Blue Man Group
Las Vegas, Nevada
256 x 480 matrix 10 mm



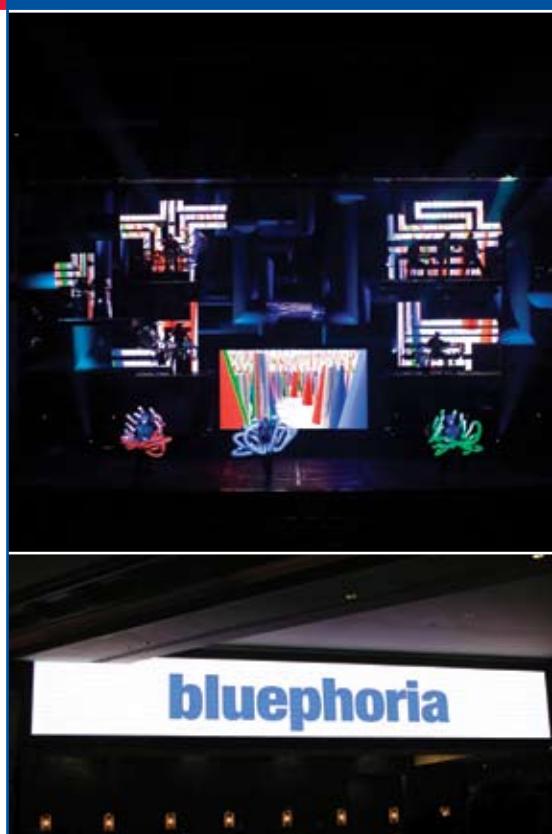
PS-12i

PS-12i Model Specifications

Lines x Columns	Approx. Aspect Ratio	Cabinet Feet and Inches H x W	Cabinet Meters H x W	Approx. Weight Pounds (kg)	Max. Power
96x128	4:3 Traditional	4'1" x 5'4"	1.24 x 1.62	292 (132)	2,089
96x176	16:9 Wide Screen	4'1" x 7'3"	1.24 x 2.20	387 (175)	2,872
128x176	4:3 Traditional	5'4" x 7'3"	1.62 x 2.20	502 (228)	3,830
128x224	16:9 Wide Screen	5'4" x 9'1"	1.62 x 2.78	588 (267)	4,874
160x208	4:3 Traditional	6'7" x 8'6"	2.01 x 2.58	683 (310)	5,658
160x288	16:9 Wide Screen	6'7" x 11'7"	2.01 x 3.54	945 (429)	7,834
192x256	4:3 Traditional	7'10" x 10'4"	2.39 x 3.16	1,008 (457)	8,356
192x336	16:9 Wide Screen	7'10" x 13'6"	2.39 x 4.12	1,323 (600)	10,967
224x304	4:3 Traditional	9'1" x 12'3"	2.78 x 3.73	1,397 (633)	11,576
224x400	16:9 Wide Screen	9'1" x 16'0"	2.78 x 4.89	1,838 (833)	15,232
256x336	4:3 Traditional	10'4" x 13'6"	3.16 x 4.12	1,764 (800)	14,623
256x448	16:9 Wide Screen	10'4" x 17'11"	3.16 x 5.46	2,352 (1,067)	19,497
288x384	4:3 Traditional	11'7" x 15'5"	3.54 x 4.69	2,268 (1,029)	18,801
288x512	16:9 Wide Screen	11'7" x 20'5"	3.54 x 6.23	3,024 (1,372)	25,068
320x432	4:3 Traditional	12'11" x 17'3"	3.93 x 5.27	2,835 (1,286)	23,501
320x560	16:9 Wide Screen	12'11" x 22'4"	3.93 x 6.80	3,675 (1,667)	30,464
352x464	4:3 Traditional	14'2" x 18'7"	4.31 x 5.65	3,350 (1,519)	27,766
352x624	16:9 Wide Screen	14'2" x 24'10"	4.31 x 7.57	4,505 (2,043)	37,340
384x512	4:3 Traditional	15'5" x 20'5"	4.69 x 6.23	4,032 (1,829)	33,423
384x688	16:9 Wide Screen	15'5" x 27'4"	4.69 x 8.34	5,418 (2,458)	44,913

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



Outdoor Video Displays

20 mm 3700

GalaxyPro™ 20 mm • RGB • 3700 Series



Left: Sacred Heart Catholic Church
Parkston, South Dakota
96 x 80 matrix 20 mm RGB
Right: Royal LePage
Red Deer, Alberta
96 x 144 matrix 20 mm RGB



GalaxyPro™
LED VIDEO MESSAGING DISPLAYS BY DAKTRONICS

Audience Guide

PEDESTRIAN



Technical Specifications

Character Height:

5.5" (7 pixel font)

Pixel Pitch:

20 mm (0.78") center-to-center;
230 pixels per sq. ft.

Color Capability:

68 billion colors

LEDs per Pixel:

3: 1 red, 1 green and 1 blue

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics and video clips

Control Software:

Venus® 1500

Power:

120/240 VAC single phase or
120/208 VAC three phase

Display Dimming:

16 levels (automatic or manual control)

Communication Options:

Wire Ethernet, Fiber Ethernet, Wireless
Ethernet Bridge

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Model Specifications



Matrix Size	Single-face cabinet Feet and Inches H x W x D	Single-face cabinet Meters H x W x D	Display Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face RGB
64x80	4'9" x 5'9" x 8"	1.43 x 1.74 x .21	220 (100)	8/16	6" - 50"	1,970
64x96	4'9" x 6'9" x 8"	1.43 x 2.06 x .21	260 (118)	8/19	6" - 50"	2,390
64x112	4'9" x 7'10" x 8"	1.43 x 2.38 x .21	300 (137)	8/22	6" - 50"	2,760
64x128	4'9" x 8'10" x 8"	1.43 x 2.7 x .21	340 (155)	8/25	6" - 50"	3,180
64x144	4'9" x 9'11" x 8"	1.43 x 3.01 x .21	380 (173)	8/28	6" - 50"	3,550
64x160	4'9" x 10'11" x 8"	1.43 x 3.33 x .21	420 (191)	8/32	6" - 50"	3,970
64x176	4'9" x 12'0" x 8"	1.43 x 3.65 x .21	460 (209)	8/35	6" - 50"	4,340
64x192	4'9" x 13'0" x 8"	1.43 x 3.96 x .21	500 (227)	8/38	6" - 50"	4,760
64x208	4'9" x 14'1" x 8"	1.43 x 4.28 x .21	540 (245)	8/41	6" - 50"	5,130
64x224	4'9" x 15'1" x 8"	1.43 x 4.6 x .21	580 (264)	8/44	6" - 50"	5,550
64x240	4'9" x 16'2" x 8"	1.43 x 4.91 x .21	620 (282)	8/48	6" - 50"	5,920
64x256	4'9" x 17'2" x 8"	1.43 x 5.23 x .21	660 (300)	8/51	6" - 50"	6,340
64x272	4'9" x 18'3" x 8"	1.43 x 5.55 x .21	700 (318)	8/54	6" - 50"	6,710
64x288	4'9" x 19'3" x 8"	1.43 x 5.87 x .21	740 (336)	8/57	6" - 50"	7,130
64x304	4'9" x 20'4" x 8"	1.43 x 6.18 x .21	780 (354)	8/60	6" - 50"	7,500
64x320	4'9" x 21'4" x 8"	1.43 x 6.5 x .21	820 (372)	8/64	6" - 50"	7,920
80x96	5'9" x 6'9" x 8"	1.74 x 2.06 x .21	320 (146)	10/19	6" - 62"	2,950
80x112	5'9" x 7'10" x 8"	1.74 x 2.38 x .21	365 (166)	10/22	6" - 62"	3,420
80x128	5'9" x 8'10" x 8"	1.74 x 2.7 x .21	415 (189)	10/25	6" - 62"	3,930
80x144	5'9" x 9'11" x 8"	1.74 x 3.01 x .21	465 (211)	10/28	6" - 62"	4,400
80x160	5'9" x 10'11" x 8"	1.74 x 3.33 x .21	515 (234)	10/32	6" - 62"	4,910
80x176	5'9" x 12'0" x 8"	1.74 x 3.65 x .21	560 (255)	10/35	6" - 62"	5,380
80x192	5'9" x 13'0" x 8"	1.74 x 3.96 x .21	610 (277)	10/38	6" - 62"	5,880
80x208	5'9" x 14'1" x 8"	1.74 x 4.28 x .21	660 (300)	10/41	6" - 62"	6,350
80x224	5'9" x 15'1" x 8"	1.74 x 4.6 x .21	710 (323)	10/44	6" - 62"	6,860
80x240	5'9" x 16'2" x 8"	1.74 x 4.91 x .21	755 (343)	10/48	6" - 62"	7,330
80x256	5'9" x 17'2" x 8"	1.74 x 5.23 x .21	805 (366)	10/51	6" - 62"	7,840
80x272	5'9" x 18'3" x 8"	1.74 x 5.55 x .21	855 (388)	10/54	6" - 62"	8,310
80x288	5'9" x 19'3" x 8"	1.74 x 5.87 x .21	905 (411)	10/57	6" - 62"	8,820
80x304	5'9" x 20'4" x 8"	1.74 x 6.18 x .21	950 (431)	10/60	6" - 62"	9,290
80x320	5'9" x 21'4" x 8"	1.74 x 6.5 x .21	1,000 (454)	10/64	6" - 62"	9,790
80x336	5'9" x 22'5" x 8"	1.74 x 6.82 x .21	1,050 (477)	10/67	6" - 62"	10,260
96x112	6'9" x 7'10" x 8"	2.06 x 2.38 x .21	435 (198)	12/22	6" - 75"	4,080
96x128	6'9" x 8'10" x 8"	2.06 x 2.7 x .21	490 (223)	12/25	6" - 75"	4,680
96x144	6'9" x 9'11" x 8"	2.06 x 3.01 x .21	550 (250)	12/28	6" - 75"	5,240
96x160	6'9" x 10'11" x 8"	2.06 x 3.33 x .21	605 (275)	12/32	6" - 75"	5,840
96x176	6'9" x 12'0" x 8"	2.06 x 3.65 x .21	665 (302)	12/35	6" - 75"	6,410
96x192	6'9" x 13'0" x 8"	2.06 x 3.96 x .21	720 (327)	12/38	6" - 75"	7,010
96x208	6'9" x 14'1" x 8"	2.06 x 4.28 x .21	780 (354)	12/41	6" - 75"	7,570
96x224	6'9" x 15'1" x 8"	2.06 x 4.6 x .21	835 (379)	12/44	6" - 75"	8,170

Model Number Guide

AF-3700-96x160 - 20 - RGB - 2V

A=Matrix Series | Matrix Number | Matrix Height | Matrix Length | Pixel Pitch | Red, Green and Blue LEDs | Face or Outdoor

GalaxyPro™ 20 mm ■ RGB ■ 3700 Series

Outdoor Video Displays



Left: Showplace Entertainment Center
Staten Island, New York

128 x 336 matrix 20 mm RGB

Right: Heartland Church

Rockford, Illinois

80 x 192 matrix 20 mm RGB

Top Right: Boomtown Casino

Biloxi, Mississippi

96 x 192 matrix 20 mm RGB

Below Right: Comfort Suites

Sandusky, Ohio

96 x 176 matrix 20 mm RGB



20 mm 3700



Matrix Size	Single-face cabinet Feet and Inches H x W x D	Single-face cabinet Meters H x W x D	Display Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face RGB
96x240	6'9" x 16'2" x 8"	2.06 x 4.91 x .21	895 (406)	12/48	6" - 75"	8,740
96x256	6'9" x 17'2" x 8"	2.06 x 5.23 x .21	950 (431)	12/51	6" - 75"	9,340
96x272	6'9" x 18'3" x 8"	2.06 x 5.55 x .21	1,010 (459)	12/54	6" - 75"	9,900
96x288	6'9" x 19'3" x 8"	2.06 x 5.87 x .21	1,065 (484)	12/57	6" - 75"	10,500
96x304	6'9" x 20'4" x 8"	2.06 x 6.18 x .21	1,125 (511)	12/60	6" - 75"	11,070
96x320	6'9" x 21'4" x 8"	2.06 x 6.5 x .21	1,180 (536)	12/64	6" - 75"	11,670
96x336	6'9" x 22'5" x 8"	2.06 x 6.82 x .21	1,240 (563)	12/67	6" - 75"	12,230
96x352	6'9" x 23'5" x 8"	2.06 x 7.13 x .21	1,295 (588)	12/70	6" - 75"	12,830
112x128	7'10" x 8'10" x 8"	2.38 x 2.7 x .21	600 (273)	14/25	6" - 87"	5,430
112x144	7'10" x 9'11" x 8"	2.38 x 3.01 x .21	670 (304)	14/28	6" - 87"	6,130
112x160	7'10" x 10'11" x 8"	2.38 x 3.33 x .21	740 (336)	14/32	6" - 87"	6,780
112x176	7'10" x 12'0" x 8"	2.38 x 3.65 x .21	810 (368)	14/35	6" - 87"	7,480
112x192	7'10" x 13'0" x 8"	2.38 x 3.96 x .21	885 (402)	14/38	6" - 87"	8,130
112x208	7'10" x 14'1" x 8"	2.38 x 4.28 x .21	955 (434)	14/41	6" - 87"	8,830
112x224	7'10" x 15'1" x 8"	2.38 x 4.6 x .21	1,025 (465)	14/44	6" - 87"	9,490
112x240	7'10" x 16'2" x 8"	2.38 x 4.91 x .21	1,095 (497)	14/48	6" - 87"	10,180
112x256	7'10" x 17'2" x 8"	2.38 x 5.23 x .21	1,165 (529)	14/51	6" - 87"	10,840
112x272	7'10" x 18'3" x 8"	2.38 x 5.55 x .21	1,235 (561)	14/54	6" - 87"	11,540
112x288	7'10" x 19'3" x 8"	2.38 x 5.87 x .21	1,305 (592)	14/57	6" - 87"	12,190
112x304	7'10" x 20'4" x 8"	2.38 x 6.18 x .21	1,375 (624)	14/60	6" - 87"	12,890
112x320	7'10" x 21'4" x 8"	2.38 x 6.5 x .21	1,445 (656)	14/64	6" - 87"	13,540
112x336	7'10" x 22'5" x 8"	2.38 x 6.82 x .21	1,515 (688)	14/67	6" - 87"	14,240
112x352	7'10" x 23'5" x 8"	2.38 x 7.13 x .21	1,585 (719)	14/70	6" - 87"	14,900
112x368	7'10" x 24'6" x 8"	2.38 x 7.45 x .21	1,660 (753)	14/73	6" - 87"	15,590
128x144	8'10" x 9'11" x 8"	2.7 x 3.01 x .21	760 (345)	16/28	6" - 100"	6,970
128x160	8'10" x 10'11" x 8"	2.7 x 3.33 x .21	840 (382)	16/32	6" - 100"	7,720
128x176	8'10" x 12'0" x 8"	2.7 x 3.65 x .21	920 (418)	16/35	6" - 100"	8,510
128x192	8'10" x 13'0" x 8"	2.7 x 3.96 x .21	1,000 (454)	16/38	6" - 100"	9,260
128x208	8'10" x 14'1" x 8"	2.7 x 4.28 x .21	1,080 (490)	16/41	6" - 100"	10,050
128x224	8'10" x 15'1" x 8"	2.7 x 4.6 x .21	1,160 (527)	16/44	6" - 100"	10,800
128x240	8'10" x 16'2" x 8"	2.7 x 4.91 x .21	1,240 (563)	16/48	6" - 100"	11,590
128x256	8'10" x 17'2" x 8"	2.7 x 5.23 x .21	1,320 (599)	16/51	6" - 100"	12,340
128x272	8'10" x 18'3" x 8"	2.7 x 5.55 x .21	1,400 (636)	16/54	6" - 100"	13,130
128x288	8'10" x 19'3" x 8"	2.7 x 5.87 x .21	1,480 (672)	16/57	6" - 100"	13,880
128x304	8'10" x 20'4" x 8"	2.7 x 6.18 x .21	1,560 (708)	16/60	6" - 100"	14,670
128x320	8'10" x 21'4" x 8"	2.7 x 6.5 x .21	1,640 (744)	16/64	6" - 100"	15,420
128x336	8'10" x 22'5" x 8"	2.7 x 6.82 x .21	1,720 (781)	16/67	6" - 100"	16,210
128x352	8'10" x 23'5" x 8"	2.7 x 7.13 x .21	1,800 (817)	16/70	6" - 100"	16,960
128x368	8'10" x 24'6" x 8"	2.7 x 7.45 x .21	1,880 (853)	16/73	6" - 100"	17,750
128x384	8'10" x 25'6" x 8"	2.7 x 7.77 x .21	1,960 (890)	16/76	6" - 100"	18,500

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Outdoor Video Displays

34mm 3700

GalaxyPro™ 34 mm ■ RGB ■ 3700 Series



Audience Guide



Technical Specifications

Character Height:

9" (7 pixel font)

Pixel Pitch:

34 mm (1.33") center-to-center;
82 pixels per sq. ft.

Color Capability:

68 billion colors

LEDs per Pixel:

6: 2 red, 2 green and 2 blue

Estimated LED Lifetime:

100,000+ hours

Viewing Angle:

90 degrees horizontal x
40 degrees vertical

Contrast Enhancement:

Horizontal louvers

Service Access:

Front access

Graphic Capability:

Text, graphics and video clips

Control Software:

Venus® 1500

Power:

120/240 VAC single phase or
120/208 VAC three phase

Display Dimming:

16 levels (automatic or manual control)

Communication Options:

Wire Ethernet, Fiber Ethernet, Wireless
Ethernet Bridge

Compliance Information:

UL and ULc Listed

Display Configurations

Can be ordered in
single-face (SF) or two-
view (2V) configurations.



Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Display Weight Pounds (kg)	Lines/Char- ters Per Line	Character Height	Max. Watts per face RGB
56x80	6'9" x 9'5" x 9"	2.05 x 2.86 x .22	560 (255)	7/16	9" - 74"	4,810
56x96	6'9" x 11'2" x 9"	2.05 x 3.4 x .22	660 (300)	7/19	9" - 74"	5,730
56x112	6'9" x 13'0" x 9"	2.05 x 3.94 x .22	770 (350)	7/22	9" - 74"	6,700
56x128	6'9" x 14'9" x 9"	2.05 x 4.48 x .22	870 (395)	7/25	9" - 74"	7,620
56x144	6'9" x 16'6" x 9"	2.05 x 5.02 x .22	980 (445)	7/28	9" - 74"	8,590
56x160	6'9" x 18'3" x 9"	2.05 x 5.57 x .22	1,080 (490)	7/32	9" - 74"	9,510
56x176	6'9" x 20'1" x 9"	2.05 x 6.11 x .22	1,190 (540)	7/35	9" - 74"	10,480
64x96	7'8" x 11'2" x 9"	2.32 x 3.4 x .22	750 (341)	8/19	9" - 85"	6,570
64x112	7'8" x 13'0" x 9"	2.32 x 3.94 x .22	870 (395)	8/22	9" - 85"	7,670
64x128	7'8" x 14'9" x 9"	2.32 x 4.48 x .22	990 (450)	8/25	9" - 85"	8,720
64x144	7'8" x 16'6" x 9"	2.32 x 5.02 x .22	1,110 (504)	8/28	9" - 85"	9,820
64x160	7'8" x 18'3" x 9"	2.32 x 5.57 x .22	1,230 (558)	8/32	9" - 85"	10,870
64x176	7'8" x 20'1" x 9"	2.32 x 6.11 x .22	1,340 (608)	8/35	9" - 85"	11,970
64x192	7'8" x 21'10" x 9"	2.32 x 6.65 x .22	1,460 (663)	8/38	9" - 85"	13,020
72x96	8'6" x 11'2" x 9"	2.59 x 3.4 x .22	840 (382)	9/19	9" - 96"	7,420
72x112	8'6" x 13'0" x 9"	2.59 x 3.94 x .22	970 (440)	9/22	9" - 96"	8,700
72x128	8'6" x 14'9" x 9"	2.59 x 4.48 x .22	1,100 (499)	9/25	9" - 96"	9,880
72x144	8'6" x 16'6" x 9"	2.59 x 5.02 x .22	1,240 (563)	9/28	9" - 96"	11,170
72x160	8'6" x 18'3" x 9"	2.59 x 5.57 x .22	1,370 (622)	9/32	9" - 96"	12,350
72x176	8'6" x 20'1" x 9"	2.59 x 6.11 x .22	1,500 (681)	9/35	9" - 96"	13,630
72x192	8'6" x 21'10" x 9"	2.59 x 6.65 x .22	1,630 (740)	9/38	9" - 96"	14,810
72x208	8'6" x 23'7" x 9"	2.59 x 7.19 x .22	1,760 (799)	9/41	9" - 96"	16,090
80x112	9'5" x 13'0" x 9"	2.86 x 3.94 x .22	1,070 (486)	10/22	9" - 106"	9,620
80x128	9'5" x 14'9" x 9"	2.86 x 4.48 x .22	1,220 (554)	10/25	9" - 106"	10,930
80x144	9'5" x 16'6" x 9"	2.86 x 5.02 x .22	1,360 (617)	10/28	9" - 106"	12,350
80x160	9'5" x 18'3" x 9"	2.86 x 5.57 x .22	1,510 (685)	10/32	9" - 106"	13,660
80x176	9'5" x 20'1" x 9"	2.86 x 6.11 x .22	1,660 (753)	10/35	9" - 106"	15,070
80x192	9'5" x 21'10" x 9"	2.86 x 6.65 x .22	1,800 (817)	10/38	9" - 106"	16,380
80x208	9'5" x 23'7" x 9"	2.86 x 7.19 x .22	1,950 (885)	10/41	9" - 106"	17,800
80x224	9'5" x 25'5" x 9"	2.86 x 7.73 x .22	2,100 (953)	10/44	9" - 106"	19,110
88x128	10'4" x 14'9" x 9"	3.13 x 4.48 x .22	1,330 (604)	11/25	9" - 117"	12,030
88x144	10'4" x 16'6" x 9"	3.13 x 5.02 x .22	1,490 (676)	11/28	9" - 117"	13,580
88x160	10'4" x 18'3" x 9"	3.13 x 5.57 x .22	1,650 (749)	11/32	9" - 117"	15,020
88x176	10'4" x 20'1" x 9"	3.13 x 6.11 x .22	1,810 (822)	11/35	9" - 117"	16,570
88x192	10'4" x 21'10" x 9"	3.13 x 6.65 x .22	1,970 (894)	11/38	9" - 117"	18,010
88x208	10'4" x 23'7" x 9"	3.13 x 7.19 x .22	2,130 (967)	11/41	9" - 117"	19,550
88x224	10'4" x 25'5" x 9"	3.13 x 7.73 x .22	2,290 (1,039)	11/44	9" - 117"	21,000
88x240	10'4" x 27'2" x 9"	3.13 x 8.27 x .22	2,450 (1,112)	11/48	9" - 117"	22,540
96x128	11'2" x 14'9" x 9"	3.4 x 4.48 x .22	1,450 (658)	12/25	9" - 128"	13,080
96x144	11'2" x 16'6" x 9"	3.4 x 5.02 x .22	1,620 (735)	12/28	9" - 128"	14,760
96x160	11'2" x 18'3" x 9"	3.4 x 5.57 x .22	1,790 (812)	12/32	9" - 128"	16,330
96x176	11'2" x 20'1" x 9"	3.4 x 6.11 x .22	1,970 (894)	12/35	9" - 128"	18,010
96x192	11'2" x 21'10" x 9"	3.4 x 6.65 x .22	2,140 (971)	12/38	9" - 128"	19,580

Model Number Guide

AF-3700-96x160 - 34 - RGB - 2V

A=Matrix Series | Matrix Number | Height | Length | Pixel Pitch | Red, Green, Blue | Single Face or Outdoor | F=LED

GalaxyPro™ 34 mm ■ RGB ■ 3700 Series

Outdoor Video Displays



Left: GalaxyPro display
80 x 160 matrix 34 mm RGB
Below Right: GalaxyPro display
128 x 240 matrix 34 mm RGB



34 mm 3700



Matrix Size	Single-face cabinet Feet and Inches (H x W x D)	Single-face cabinet Meters (H x W x D)	Display Weight Pounds (kg)	Lines/ Characters Per Line	Character Height	Max. Watts per face RGB
96x208	11'2" x 23'7" x 9"	3.4 x 7.19 x .22	2,320 (1,053)	12/41	9" - 128"	21,260
96x224	11'2" x 25'5" x 9"	3.4 x 7.73 x .22	2,490 (1,130)	12/44	9" - 128"	22,830
96x240	11'2" x 27'2" x 9"	3.4 x 8.27 x .22	2,660 (1,207)	12/48	9" - 128"	24,510
96x256	11'2" x 28'11" x 9"	3.4 x 8.81 x .22	2,840 (1,289)	12/51	9" - 128"	26,080
104x144	12'1" x 16'6" x 9"	3.67 x 5.02 x .22	1,750 (794)	13/28	9" - 138"	15,990
104x160	12'1" x 18'3" x 9"	3.67 x 5.57 x .22	1,940 (880)	13/32	9" - 138"	17,700
104x176	12'1" x 20'1" x 9"	3.67 x 6.11 x .22	2,120 (962)	13/35	9" - 138"	19,500
104x192	12'1" x 21'10" x 9"	3.67 x 6.65 x .22	2,310 (1,048)	13/38	9" - 138"	21,210
104x208	12'1" x 23'7" x 9"	3.67 x 7.19 x .22	2,500 (1,134)	13/41	9" - 138"	23,020
104x224	12'1" x 25'5" x 9"	3.67 x 7.73 x .22	2,690 (1,221)	13/44	9" - 138"	24,720
104x240	12'1" x 27'2" x 9"	3.67 x 8.27 x .22	2,880 (1,307)	13/48	9" - 138"	26,530
104x256	12'1" x 28'11" x 9"	3.67 x 8.81 x .22	3,060 (1,388)	13/51	9" - 138"	28,230
104x272	12'1" x 30'8" x 9"	3.67 x 9.35 x .22	3,250 (1,475)	13/54	9" - 138"	30,040
112x160	13'0" x 18'3" x 9"	3.94 x 5.57 x .22	2,080 (944)	14/32	9" - 149"	19,010
112x176	13'0" x 20'1" x 9"	3.94 x 6.11 x .22	2,280 (1,035)	14/35	9" - 149"	20,950
112x192	13'0" x 21'10" x 9"	3.94 x 6.65 x .22	2,480 (1,125)	14/38	9" - 149"	22,780
112x208	13'0" x 23'7" x 9"	3.94 x 7.19 x .22	2,680 (1,216)	14/41	9" - 149"	24,720
112x224	13'0" x 25'5" x 9"	3.94 x 7.73 x .22	2,890 (1,311)	14/44	9" - 149"	26,560
112x240	13'0" x 27'2" x 9"	3.94 x 8.27 x .22	3,090 (1,402)	14/48	9" - 149"	28,500
112x256	13'0" x 28'11" x 9"	3.94 x 8.81 x .22	3,290 (1,493)	14/51	9" - 149"	30,330
112x272	13'0" x 30'8" x 9"	3.94 x 9.35 x .22	3,490 (1,584)	14/54	9" - 149"	32,270
112x288	13'0" x 32'6" x 9"	3.94 x 9.89 x .22	3,690 (1,674)	14/57	9" - 149"	34,110
120x160	13'10" x 18'3" x 9"	4.21 x 5.57 x .22	2,220 (1,007)	15/32	9" - 160"	20,370
120x176	13'10" x 20'1" x 9"	4.21 x 6.11 x .22	2,440 (1,107)	15/35	9" - 160"	22,440
120x192	13'10" x 21'10" x 9"	4.21 x 6.65 x .22	2,650 (1,203)	15/38	9" - 160"	24,410
120x208	13'10" x 23'7" x 9"	4.21 x 7.19 x .22	2,870 (1,302)	15/41	9" - 160"	26,480
120x224	13'10" x 25'5" x 9"	4.21 x 7.73 x .22	3,080 (1,398)	15/44	9" - 160"	28,450
120x240	13'10" x 27'2" x 9"	4.21 x 8.27 x .22	3,300 (1,497)	15/48	9" - 160"	30,520
120x256	13'10" x 28'11" x 9"	4.21 x 8.81 x .22	3,510 (1,593)	15/51	9" - 160"	32,480
120x272	13'10" x 30'8" x 9"	4.21 x 9.35 x .22	3,730 (1,692)	15/54	9" - 160"	34,550
120x288	13'10" x 32'6" x 9"	4.21 x 9.89 x .22	3,950 (1,792)	15/57	9" - 160"	36,520
120x304	13'10" x 34'3" x 9"	4.21 x 10.43 x .22	4,160 (1,887)	15/60	9" - 160"	38,590
128x176	14'9" x 20'1" x 9"	4.48 x 6.11 x .22	2,590 (1,175)	16/35	9" - 170"	23,880
128x192	14'9" x 21'10" x 9"	4.48 x 6.65 x .22	2,820 (1,280)	16/38	9" - 170"	25,980
128x208	14'9" x 23'7" x 9"	4.48 x 7.19 x .22	3,050 (1,384)	16/41	9" - 170"	28,180
128x224	14'9" x 25'5" x 9"	4.48 x 7.73 x .22	3,280 (1,488)	16/44	9" - 170"	28,450
128x240	14'9" x 27'2" x 9"	4.48 x 8.27 x .22	3,510 (1,593)	16/48	9" - 170"	32,480
128x256	14'9" x 28'11" x 9"	4.48 x 8.81 x .22	3,740 (1,697)	16/51	9" - 170"	34,580
128x272	14'9" x 30'8" x 9"	4.48 x 9.35 x .22	3,970 (1,801)	16/54	9" - 170"	36,780
128x288	14'9" x 32'6" x 9"	4.48 x 9.89 x .22	4,200 (1,906)	16/57	9" - 170"	38,880
128x304	14'9" x 34'3" x 9"	4.48 x 10.43 x .22	4,430 (2,010)	16/60	9" - 170"	41,080
128x320	14'9" x 36'0" x 9"	4.48 x 10.97 x .22	4,660 (2,114)	16/64	9" - 170"	43,360

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

Outdoor Video Displays

ProStar® Displays



Left: Chelsea Piers
New York, New York
384 x 512 matrix 23 mm
Right: Beverly Corners Marketplace
Vancouver Island, British Columbia
160 x 224 matrix 23 mm
Top Left: Sea World
Orlando, Florida
504 x 240 matrix 12 mm
Bottom Left: Ashley Furniture
Homestore
Colton, California
160 x 288 matrix 20 mm



Outdoor LED video displays are pushing the boundaries of traditional signage. Able to be built to any size and aspect ratio, outdoor LED video is popping up in curves, 3-D, and freeform designs.

In addition, Daktronics advanced video design ensures that customers receive a display with amazing image quality and superior, long-lasting electronics.

ProStar® display advantages include:

- Capable of being built to any size and aspect ratio
- Variety of models available to accommodate any viewing distance
- Several live video inputs accepted, including high-definition

Applications for outdoor LED displays include:

- Shopping centers and retail stores
- Casinos
- Corporate headquarters
- Entertainment
- Outdoor advertising
- Financial exchanges



Technical Specifications

Line and Column spacing

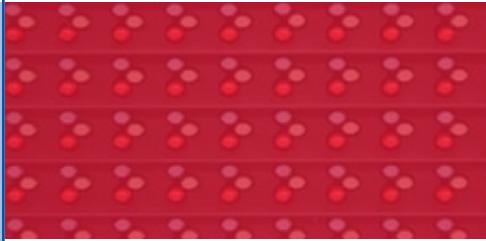
Line and Column Spacing (mm)	Calibrated Intensity (nits)	Viewing Angles	Lifetime (hours)
12	5,000	70° V x 140° H	100,000
16	5,000	70° V x 140° H	100,000
20	5,000	70° V x 140° H	100,000
23	5,000	70° V x 140° H	100,000

ProStar® Displays



Left: Grand Emperor
Macau, China
640 x 896 matrix 20 mm
Top Right: Wynn Macau Casino
Macau, China
496 x 656 matrix 23 mm, 89 mm pixels
Bottom Right: HOKSport+Venue+Event
Kansas City, Missouri
48 x 496 matrix 20 mm
Bottom: PSP Sony
Las Vegas, Nevada
192 x 352 matrix 16 mm

Outdoor Video Displays



HD-12m

HD-12m Model Specifications

Lines x Columns	Approx. Aspect Ratio	Cabinet Feet and Inches H x W	Cabinet Meters H x W	Approx. Weight Pounds (kg)	Max. Power
240x312	4:3 Traditional	10'10" x 13'10"	3.30 x 4.20	3,510 (1,592)	9,734
240x432	16:9 Wide Screen	10'10" x 18'9"	3.30 x 5.70	4,860 (2,204)	13,478
288x384	4:3 Traditional	12'10" x 16'9"	3.90 x 5.10	5,184 (2,351)	14,377
288x504	16:9 Wide Screen	12'10" x 21'8"	3.90 x 6.60	6,804 (3,086)	18,870
336x432	4:3 Traditional	14'9" x 18'9"	4.50 x 5.70	6,804 (3,086)	18,870
336x600	16:9 Wide Screen	14'9" x 25'7"	4.50 x 7.80	9,450 (4,287)	26,208
384x504	4:3 Traditional	16'9" x 21'8"	5.10 x 6.60	9,072 (4,115)	25,160
384x672	16:9 Wide Screen	16'9" x 28'7"	5.10 x 8.70	12,096 (5,487)	33,546
432x576	4:3 Traditional	18'9" x 24'7"	5.70 x 7.50	11,664 (5,291)	32,348
432x768	16:9 Wide Screen	18'9" x 32'6"	5.70 x 9.90	15,552 (7,054)	43,131
480x648	4:3 Traditional	20'8" x 27'7"	6.30 x 8.40	14,580 (6,613)	40,435
480x864	16:9 Wide Screen	20'8" x 36'5"	6.30 x 11.10	19,440 (8,818)	53,914
528x696	4:3 Traditional	22'8" x 29'6"	6.90 x 9.00	17,226 (7,814)	47,773
528x936	16:9 Wide Screen	22'8" x 39'5"	6.90 x 12.00	23,166 (10,508)	64,247

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

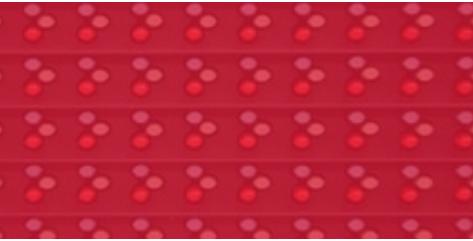


Model Number Guide

PS - 16m - 208x272
ProStar | Pixel Pitch; | Matrix
m=Marquee

Outdoor Video Displays

HD-16m/PS-20m



ProStar® Displays

Right: WCCO Television
Minneapolis, Minnesota
192 x 288 matrix 10 mm
Top Left: Anheuser-Busch
Times Square New York, New York
1072 x 608 matrix 20 mm
Bottom Left: Argosy Casino
Alton, Illinois
89 mm pixels



HD-16m Model Specifications

Lines x Columns	Approx. Aspect Ratio	Cabinet Feet and Inches H x W	Cabinet Meters H x W	Approx. Weight Pounds (kg)	Max. Power
240x312	4:3 Traditional	13'7" x 17'5"	4.15 x 5.30	3,432 (1,557)	18,720
240x432	16:9 Wide Screen	13'7" x 23'8"	4.15 x 7.22	4,752 (2,156)	25,920
260x336	4:3 Traditional	14'8" x 18'8"	4.47 x 5.68	4,004 (1,816)	21,840
260x456	16:9 Wide Screen	14'8" x 24'11"	4.47 x 7.60	5,434 (2,465)	29,640
280x384	4:3 Traditional	15'8" x 21'2"	4.79 x 6.45	4,928 (2,235)	26,880
300x504	16:9 Wide Screen	16'9" x 27'6"	5.11 x 8.37	6,930 (3,143)	37,800
320x432	4:3 Traditional	17'10" x 23'8"	5.43 x 7.22	6,336 (2,874)	34,560
320x552	16:9 Wide Screen	17'10" x 30'0"	5.43 x 9.14	8,096 (3,672)	44,160
340x456	4:3 Traditional	18'10" x 24'11"	5.75 x 7.60	7,106 (3,223)	38,760
340x624	16:9 Wide Screen	18'10" x 33'9"	5.75 x 10.29	9,724 (4,411)	53,040
380x600	4:3 Traditional	20'11" x 32'6"	6.39 x 9.91	10,450 (4,740)	57,000
380x672	16:9 Wide Screen	20'11" x 36'3"	6.39 x 11.06	11,704 (5,309)	63,840
400x528	4:3 Traditional	22'0" x 28'9"	6.71 x 8.76	9,680 (4,391)	52,800
400x696	16:9 Wide Screen	22'0" x 37'7"	6.71 x 11.45	12,760 (5,788)	69,600

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

PS-20m Model Specifications

Lines x Columns	Approx. Aspect Ratio	Cabinet Feet and Inches H x W	Cabinet Meters H x W	Approx. Weight Pounds (kg)	Max. Power
96x128	4:3 Traditional	7'3" x 9'4"	2.21 x 2.84	752 (341)	5,407
96x176	16:9 Wide Screen	7'3" x 12'5"	2.21 x 3.79	1,004 (455)	7,434
128x176	4:3 Traditional	9'4" x 12'5"	2.84 x 3.79	1,312 (595)	9,912
128x224	16:9 Wide Screen	9'4" x 15'7"	2.84 x 4.74	1,568 (711)	12,616
160x208	4:3 Traditional	11'5" x 14'6"	3.48 x 4.43	1,820 (826)	14,643
160x288	16:9 Wide Screen	11'5" x 19'9"	3.48 x 6.01	2,520 (1,143)	20,275
192x256	4:3 Traditional	13'6" x 17'8"	4.11 x 5.38	2,688 (1,219)	21,627
192x336	16:9 Wide Screen	13'6" x 22'10"	4.11 x 6.96	3,528 (1,600)	28,385
224x304	4:3 Traditional	15'7" x 20'9"	4.74 x 6.33	3,724 (1,689)	29,962
224x400	16:9 Wide Screen	15'7" x 27'0"	4.74 x 8.23	4,900 (2,223)	39,424
256x336	4:3 Traditional	17'8" x 22'10"	5.38 x 6.96	4,704 (2,134)	37,847
256x448	16:9 Wide Screen	17'8" x 30'1"	5.38 x 9.18	6,272 (2,845)	50,463
288x384	4:3 Traditional	19'9" x 26'0"	6.01 x 7.91	6,048 (2,743)	48,660
288x512	16:9 Wide Screen	19'9" x 34'3"	6.01 x 10.45	8,064 (3,658)	64,881
320x432	4:3 Traditional	21'10" x 29'1"	6.65 x 8.87	7,560 (3,429)	60,826
320x560	16:9 Wide Screen	21'10" x 37'5"	6.65 x 11.40	9,800 (4,445)	78,848
352x464	4:3 Traditional	23'11" x 31'2"	7.28 x 9.50	8,932 (4,052)	71,864
352x624	16:9 Wide Screen	23'11" x 41'7"	7.28 x 12.67	12,012 (5,449)	96,645
384x512	4:3 Traditional	26'0" x 34'3"	7.91 x 10.45	10,752 (4,877)	86,508
384x688	16:9 Wide Screen	26'0" x 45'9"	7.91 x 13.94	14,448 (6,554)	116,244

Additional matrix sizes are available

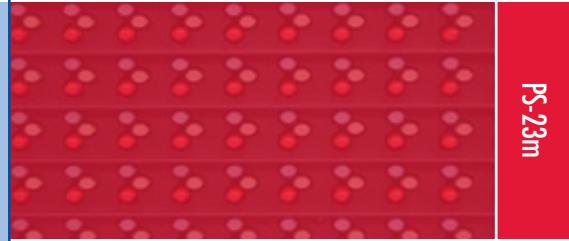
Measurements are approximate. For precise measurements, request a Daktronics shop drawing.

ProStar® Displays



Left: Virgin Megastore
Los Angeles, California
272 x 368 matrix 23 mm
Right: Tower Two
Times Square, New York
Top: Prudential Financial 512 x 512 matrix 23 mm
Middle: Samsung 576 x 496 matrix 23 mm,
320 x 688 matrix 16 mm
Bottom: Coca-Cola Spectacular 10 sections at 16
and 23 mm
Bottom: Kuwait Stock Exchange
Kuwait City, Kuwait
208 x 304 matrix 23 mm, 32 x 512 matrix 23 mm

Outdoor Video Displays



PS-23m

PS-23m Model Specifications

Lines x Columns	Approx. Aspect Ratio	Cabinet Feet and Inches H x W	Cabinet Meters H x W	Approx. Weight Pounds (kg)	Max. Power
96x128	4:3 Traditional	8'2" x 10'7"	2.50 x 3.23	858 (389)	6,144
96x176	16:9 Wide Screen	8'2" x 14'2"	2.50 x 4.33	1,146 (520)	8,448
128x176	4:3 Traditional	10'7" x 14'2"	3.23 x 4.33	1,498 (679)	11,264
128x224	16:9 Wide Screen	10'7" x 17'10"	3.23 x 5.43	1,792 (813)	14,336
160x208	4:3 Traditional	13'0" x 16'7"	3.96 x 5.06	2,080 (943)	16,640
160x288	16:9 Wide Screen	13'0" x 22'7"	3.96 x 6.89	2,880 (1,306)	23,040
192x256	4:3 Traditional	15'5" x 20'2"	4.70 x 6.16	3,072 (1,393)	24,576
192x336	16:9 Wide Screen	15'5" x 26'2"	4.70 x 7.99	4,032 (1,829)	32,256
224x304	4:3 Traditional	17'10" x 23'10"	5.43 x 7.26	4,256 (1,931)	34,048
224x400	16:9 Wide Screen	17'10" x 31'0"	5.43 x 9.45	5,600 (2,540)	44,800
256x336	4:3 Traditional	20'2" x 26'2"	6.16 x 7.99	5,376 (2,439)	43,008
256x448	16:9 Wide Screen	20'2" x 34'7"	6.16 x 10.55	7,168 (3,251)	57,344
288x384	4:3 Traditional	22'7" x 29'10"	6.89 x 9.09	6,912 (3,135)	55,296
288x512	16:9 Wide Screen	22'7" x 39'5"	6.89 x 12.01	9,216 (4,180)	73,728
320x432	4:3 Traditional	25'0" x 33'5"	7.62 x 10.18	8,640 (3,919)	69,120
320x560	16:9 Wide Screen	25'0" x 43'0"	7.62 x 13.11	11,200 (5,080)	89,600
352x464	4:3 Traditional	27'5" x 35'10"	8.35 x 10.91	10,208 (4,630)	81,664
352x624	16:9 Wide Screen	27'5" x 47'10"	8.35 x 14.57	13,728 (6,227)	109,824
384x512	4:3 Traditional	29'10" x 39'5"	9.09 x 12.01	12,288 (5,574)	98,304
384x688	16:9 Wide Screen	29'10" x 52'7"	9.09 x 16.04	16,512 (7,490)	132,096

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



Software



Cutting through the clutter with money-making content

Users want compelling content to drive the front-door audience inside their businesses. With Keyframe's services, operators can use the display's powerful capabilities to create a persuasive ad campaign that will:

- Drives sales
- Promote brand recognition
- Differentiate you from the competition
- Promote inventory and specials
- Target specific demographics
- Command attention away from other digital displays

Customer Comments

"Keyframe develops creative content with animations and special effects that are outstanding."

Gary E. McLaughlin - Immke Auto Group

Contact your regional Daktronics representative for more information on still and animation opportunities.

Venus® 1500 Web Site

Visit the Venus 1500 Content Services web site at:

www.daktronics.com/content

- Animation Previews
- Seminar Listings
- Venus® 1500 Software Tips and More

Creative Services

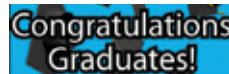


Content Creation

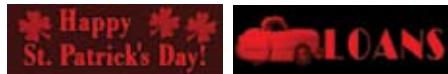
Keyframe, a division of Daktronics, creates content for Galaxy®, GalaxyPro™ and ProStar® displays. Keyframe offers both custom advertisements and a catalog of animations. Reach targeted consumers with each fresh, powerful message.

Catalog Animations

Holidays, retail, backgrounds, etc.



For Galaxy® or GalaxyPro™ RGB Displays



For Galaxy® Monochrome Displays



For ProStar® Displays

Custom Advertisements

Build brands, promote specials, announce up-coming events and more.



For Galaxy® RGB Displays



For GalaxyPro™ Displays



For Galaxy® Monochrome Displays



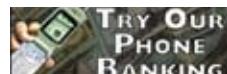
For ProStar® Displays

Subscription Service

Keyframe offers a monthly subscription service for Galaxy® and GalaxyPro™ displays, which provides displays with updated, targeted and commanding messages. Various packages may include:



Catalog Animation
Stock animation.



Custom-Still Graphic
Includes company logo and/or image(s) with text.



Custom-Animated Promotion
May include company logo and/or image(s) with text.

Venus® 1500 Display Control Software



Venus® 1500 Tool Bar

Creativity Made Simple

With Venus® 1500 software, users control the most powerful advertising medium they will ever completely own. With this easy-to-use software, an operator can create, schedule and display dynamic text and image content in an instant to target a specific audience or post a public service message.

Features

▪ Simple to use

Windows®-based design ensures a quick and easy learning experience.

▪ What you need

Functional software design breaks out display operation so only the current task is shown.

▪ Flexible display control

Control a nearly unlimited number of displays, near and far, from a single software package.

▪ Create and preview content

Edit any message without disturbing the current display content.

▪ Image and AVI support

Import from a wide variety of image file formats to increase impact.

▪ Spell check

Check your work for typing errors before presentation to the public.

▪ Presentation effects

Bring content alive by choosing from a variety of message effects or add a gradient background.

▪ Content scheduling

Schedule content to target audiences at specific times of the day, certain days of the week and beyond.

▪ Video tutorial

Contains how-tos and answers to common questions to guide you through software operation.

▪ Zoning configuration

Force content to adhere to local zoning regulations for hold times and effects.

▪ Media kits

Jump-start your ad campaign by creating memorable messages immediately. Starter content for most full-matrix sizes is included to help get you started right.

Options

▪ Venus 1500 Real Time

Post dynamic data using Daktronics Real Time Data protocols to Venus 1500-controlled displays. Windows 2000 or XP required.

▪ Venus 1500 SDK

The Venus 1500 Software Developer Kit provides the tools and documentation software developers need to take control of Daktronics displays.



Software



Venus 1500

System Requirements

Personal computer (not included) with:

- Windows® 98, Me, 2000, XP or Vista with current updates installed
- Pentium® II processor, 400 MHz or higher recommended
- 128 MB RAM or higher
- 50 MB free hard disk space (additional storage will be necessary for content storage)
- Microsoft® Internet Explorer 6.0 or higher
- Mouse or other compatible pointing device
- Supported communication device (Serial port, modem or Ethernet network)
- CD-ROM driver

Message Studio



Left: Busy Bee Crestwood, Illinois 32 x 96 matrix 34 mm Amber
Right: Royal LePage Real Estate Red Deer, Alberta 96 x 144 matrix 20 mm RGB

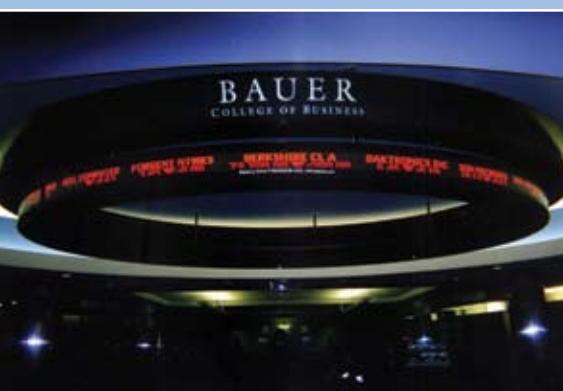
Venus® DataStreamer® Software



Left: Fugua School of Business
Duke University
Durham, North Carolina
DataTrac™ 8 x 24 matrix
1.2" high characters RG

Right: DSW Shoe Warehouse
Denver, Colorado
DAKTicker® 16 x 560 matrix
2.1" high characters RG

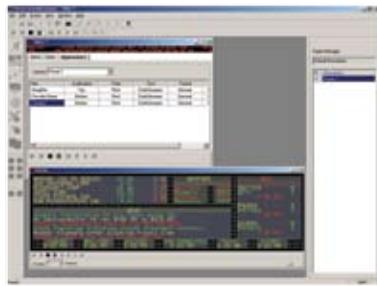
Bottom Left: Bauer College of Business
Houston, Texas
DAKTicker® 16 x 2320
2.1" high characters RG



System Requirements

Personal computer (not included) with:

- Windows® 2000, XP Professional and Vista with current updates installed
- Pentium® II 800MHz or higher
- 256MB RAM or higher recommended
- 50MB free hard disk space (additional storage will be necessary for content storage)
- Microsoft® Internet Explorer 6.0 or higher
- Mouse or other compatible pointing device
- Supported communication device (Serial port or Ethernet network)
- CD-Rom drive
- Available parallel or USB port
- Dedicated high-speed Internet connection required for data subscriptions
- Other equipment as needed per data sources



Portal to External Data

Venus® DataStreamer® software is your total control solution for Daktronics CE-1010 Panelized DataTrac™ and KE-1010 DAKTicker® displays. Serving as your portal to external data, Venus DataStreamer instantly streams data to electronic displays. Mix any combination of user-created messages with external data to keep your audience informed and entertained.

Features

- **Ease of use**
Designed with the user in mind, the powerful Windows®-based software makes display control simple and easy to learn.
- **Flexible control**
Take control of a nearly unlimited number of displays, all from a single computer.
- **Content distribution**
Show market data on one display and sports information on another. Flexible content distribution allows you to determine what information is shown where.
- **Content scheduling**
Show the information you want, when you want using Venus DataStreamer scheduling.
- **Error reporting**
Make Venus DataStreamer keep in touch with you. If problems occur, an e-mail message is sent to notify you.
- **World times**
Display time and date information from around the world to keep you in sync with market activity.
- **External data**
Populate your display with information from DDE-compliant applications or ODBC-compliant databases making it available for others at the blink of an eye.

Available Internet delivered data subscriptions include:

Delayed Financial Information

- Major U.S. and foreign indices, such as Dow Jones, Nasdaq and S&P 500
- Equities
- Market information for NYSE, Nasdaq and AMEX including Most Actives, Net Gainers and Net Losers

Business News

- Top stories
- Topic stories such as Economic, Currencies and Market News
- Industry stories including Retail, Pharmacy and Manufacturing
- Individual company-related stories

U.S. Weather

- Current Conditions
- Five-day forecasts

Sports

Includes scores, news, standings, statistics and odds for:

- Football - NFL, CFL, NCAA Div I and Arena football
- Basketball - NBA, WNBA, CBA and NCAA Div I (Men's and Women's)
- Baseball - MLB and Minor League
- Hockey - NHL and Minor League
- Soccer - MLS

Venus® 7000 Marquee Display Controller

Software

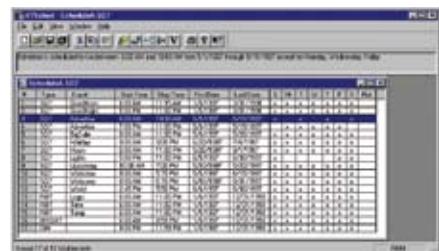
Venus 7000



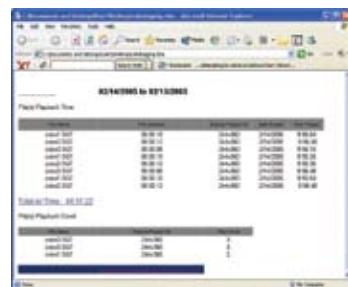
Left: Taylor Cadillac
Toledo, Ohio
192 x 256 matrix 23 mm



Above: Venus® 7000 Controller



Automatic Scheduling



Advertisement Logging

The Venus® 7000 marquee display controller provides a host of tools to help get promotional materials to the right place at the right time. The proven Venus 7000 controller is at work in locations around the world delivering graphics, animations, video, audio and live news and information to LED video displays.

Creative Compatibility

The Venus 7000 supports more than 20 different file types, including TIF, BMP, PCX, EPS and AVI. It can also display the latest news, stock prices, current time, date and temperature as provided by data delivery services. A built-in design editor provides the ability to add customized live data fields over graphics created in programs such as Adobe® Photoshop®. The editor also serves as a basic tool for creating simple text messages or for laying text over an animation or video file.

Automatic Scheduling

The scheduling function of the Venus 7000 controller makes it easy for a single operator to manage a large number of advertisements. Each scheduled advertisement has a start time, a stop time, first use date and last use date. Additionally, users can schedule messages to play at regular intervals, launch a schedule from within another schedule and control when the display will blank, brighten or dim. An individual schedule may have as many as 5,000 entries.

Advertisement Logging

The controller gives the proof-of-performance that advertisers require. The Advertisement Logging feature tracks what messages were displayed on the display, the exact time they ran and their duration. Users can even track ads running on multiple displays and generate custom billing reports.

Display Management

In addition to being able to perform basic picture adjustments, the controller also provides the ability to visually adjust the intensity of replacement LED modules. This prevents the patchwork appearance present on large-screen video displays that rely on computerized estimates to match replacement modules to existing modules in the display.

Direct or Remote Operation

The Venus 7000 display controller manages LED video displays. The controller supports both direct control over fiber-optic cable and remote control over the Internet. In remote applications, advertisements and schedules are delivered from the main controller to a remote controller located at the display location. This remote controller then outputs the material directly to the display over fiber-optic cable.

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Cover photos: PSP Sony Las Vegas, Nevada ProStar® 192 x 352 16 mm; Comfort Suites Sandusky, Ohio GalaxyPro™ 96 x 176 20 mm RGB; On Cue Express Oklahoma City, Oklahoma GalaxyPro™ 48 x 112 20 mm RGB and DataMaster® 13-inch digit DF-2100 Red; GESA Credit Union Richland, Washington Galaxy® 32 x 112 20 mm RGB; Busy Bee Crestwood, Illinois Galaxy® 32 x 96 34 mm Amber

Back cover photos: Mid Valley Mall Sunnyside, Washington Galaxy® 24 x 112 46 mm Red; Magic Media Rochester, Minnesota ProStar® 128 x 464 23 mm; Hofstra University Hempstead, New York DAKTicker® 8 x 192 34 mm Red; Mall Del Norte Laredo, Texas ProStar® 144 x 192 12 mm

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