

Destination	Voie	Remarque
IC 10.36 Genève Bern Zürich HB St. Gallen	2	
IR 10.54 Genève Nyon Morges Lausanne Brig	3	
IR 11.06 Genève Lausanne Bern Luzern	1	
ICN 11.09 Genève Bâle/Bienne Basel SBB	2	
IR 11.24 Genève Nyon Morges Lausanne Brig	3	
IC 11.36 Genève Bern Zürich HB St. Gallen	1	
IR 11.54 Genève Nyon Morges Lausanne Brig	3	
IR 12.06 Genève Lausanne Bern Luzern	1	
ICN 12.09 Genève Olten Zürich HB St. Gallen	2	
IR 12.24 Genève Nyon Morges Lausanne Brig	3	
IC 12.36 Genève Bern Zürich HB St. Gallen	2	groupes sec. D
IR 12.54 Genève Nyon Morges Lausanne Brig	3	
IR 13.06 Genève Lausanne Bern Luzern	1	

Achetez votre billet avant de monter dans le train
Please buy your ticket before boarding the train

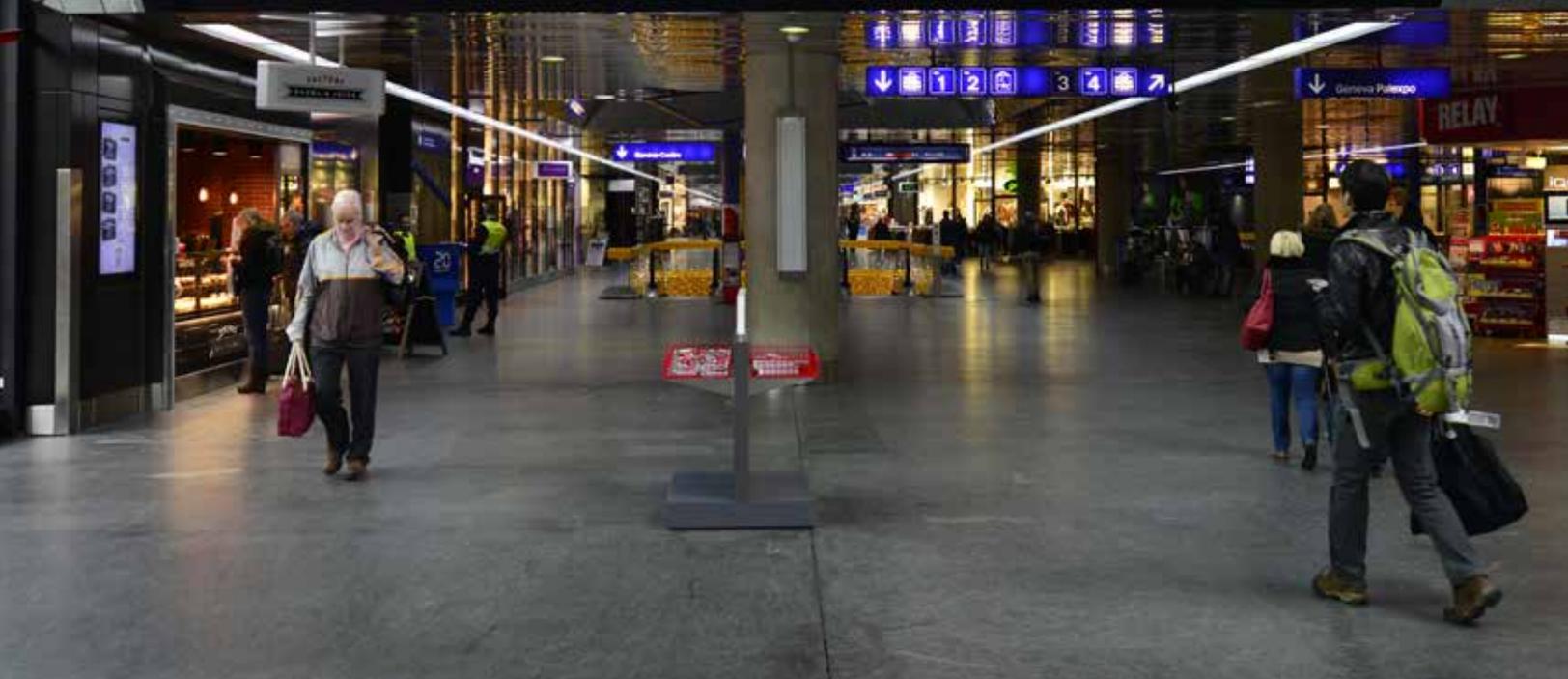


SBB CFF FFS

Changement d'horaire le 13 décembre.

Informations à temps des changements: cfr.ch/changement-horaire





Schweizerische Bundesbahnen SBB 476 x 884 4 mm (each display) Geneva, Switzerland

PUBLIC TRANSPORT

APPLICATIONS GUIDE & DYNAMIC DISPLAY CATALOG



A world map in shades of blue with several stars (orange and red) placed across different continents. White curved lines connect these stars, suggesting global connectivity or a network.

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100,000



**SQUARE METERS OF
MANUFACTURING SPACE**

550+



**ENGINEERS ON STAFF, OUT
OF NEARLY 2,700 EMPLOYEES
AROUND THE GLOBE**



★ Sales Office
★ Manufacturing Facility

120



COUNTRIES WITH PRODUCTS INSTALLED

50+

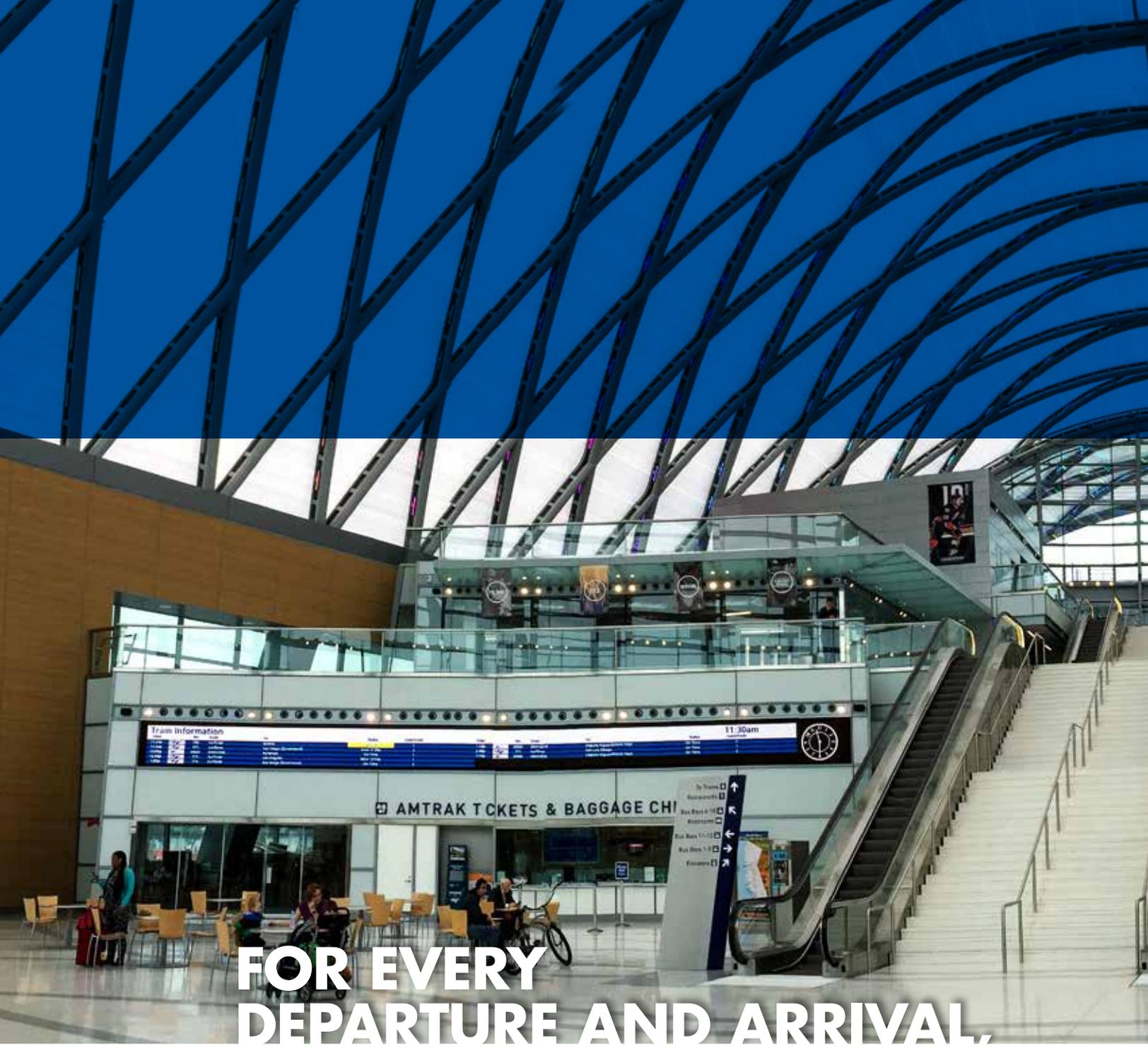


YEARS OF EXPERIENCE

4%



ANNUAL REVENUE DEDICATED TO RESEARCH & DEVELOPMENT



FOR EVERY DEPARTURE AND ARRIVAL,

WE'RE ALONG FOR THE RIDE

Whether it's a first bus or rail ride or an experienced passenger's next ride, a station can be a busy and overwhelming place. You hope to maintain this fast-paced lifestyle while alleviating the anxiety that comes with it. Guide passengers through your station with easy-to-find arrival and departure information.



Anaheim Regional Transit Center 96 x 1824 10 mm (each display)
Anaheim, California USA

With each destination and stop along the way, Daktronics is here to assist you to help passengers overcome the stress of this fast-paced way of traveling. Our reliable and rugged displays guide them from the time they board to the time they arrive and everything in between.



Beijing South Railway Station 480 x 1280 6 mm
Beijing, China



WAYFINDING

Keep travelers on the go with up-to-the-minute information. Share scheduling information or alerts at a glance while passengers wait or board their trip.

Connect with passengers easily with full-color departure and location information. Color-code routes and line schedules help passengers clearly see which line to take. Other travel information informs them about delays, cancellations and service disruptions. Passengers will feel assured they're heading in the right direction and making all their connections on time for their daily commute.



Massachusetts Bay Transportation Authority LCD 40"
Boston, Massachusetts USA



Schweizerische Bundesbahnen SBB 476 x 884 4 mm
Aarau, Switzerland



Schweizerische Bundesbahnen SBB 476 x 884 4 mm (each display)
Biel, Switzerland



ADVERTISING & PROMOTION SIGNAGE

Impress, inform and entertain passengers with high-resolution graphics and animations while they wait to board their next trip. Boost knowledge and revenue by promoting your services, selling products, increasing awareness and creating a positive and entertaining atmosphere.

Full-color imagery shows a desire to provide top-notch services for years to come with future-proof technologies. Show your passengers that you care and invest for the long term.



Blue Outdoor - Boston South Station 432 x 816 6 mm
Boston, Massachusetts USA



Minneapolis-St. Paul International Airport 32 x 144 8 mm
 Minneapolis, Minnesota USA



BUS SIGNAGE

Bus commuters always seek real-time passenger information to get to their destination on time with ease. Your goal of making the travel experience seamless is our goal, too.

Our wide range of LED and LCD bus signage shares arrival and departure times, destination and bus stop information. Our displays run at all times, keeping passengers in the know from the minute they arrive at the bus stop to the minute they get off.

RECOMMENDED PRODUCTS

AF-6800

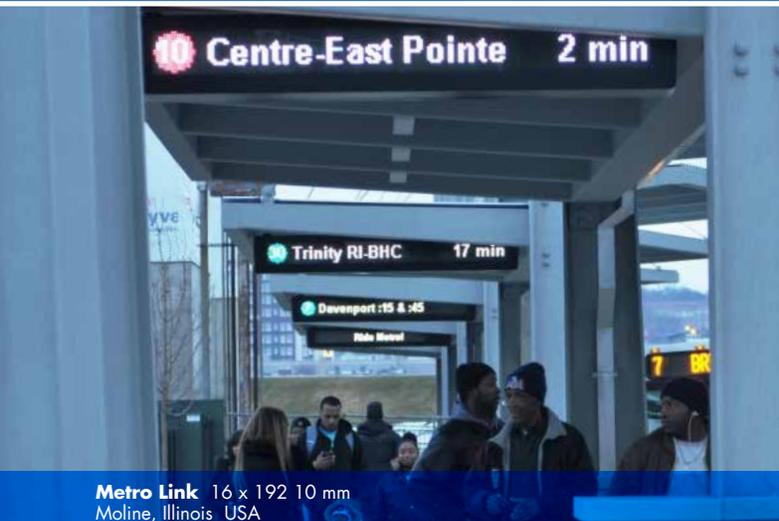
Crisp amber text with a wide range of viewing distance for schedules, destination info and advertising

LS-1000

Sharp resolution displays for close-up viewing indoors and in covered areas

AF-6710

Full-color text to highlight schedule and destination information as well as advertising



Metro Link 16 x 192 10 mm
 Moline, Illinois USA



Akron Metro 16 x 144 8 mm
 Akron, Ohio USA

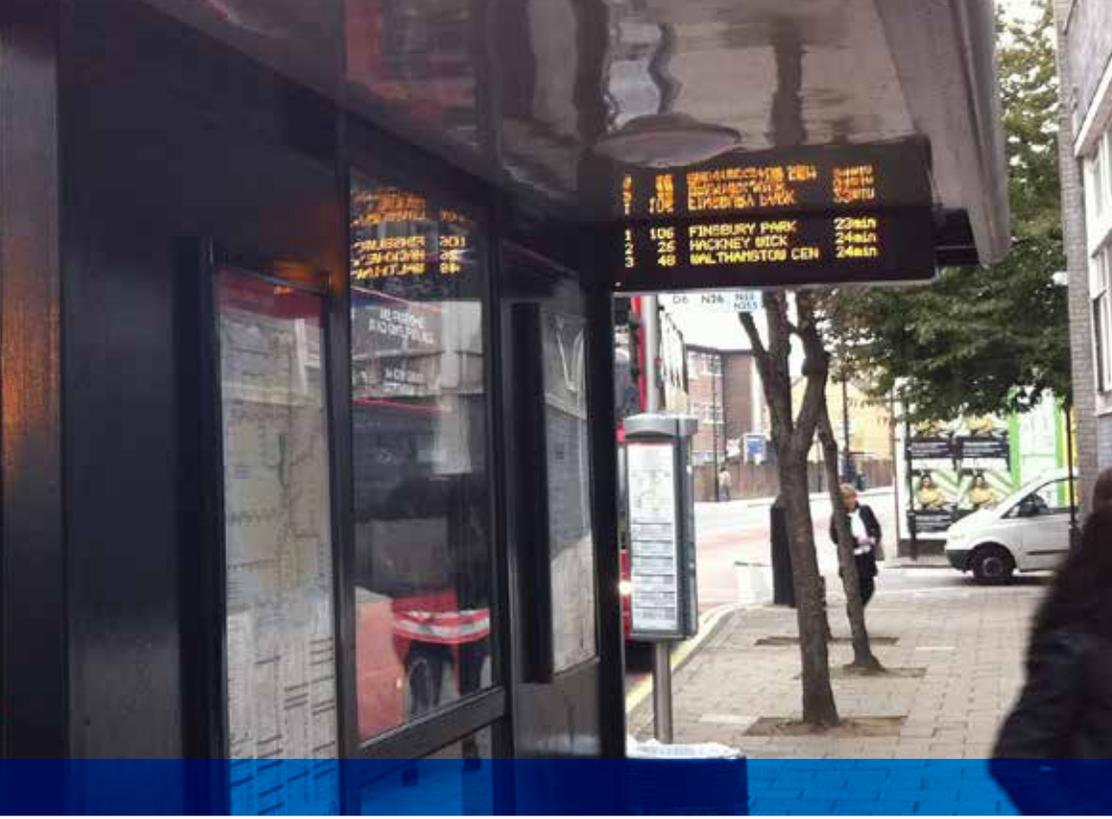
M2 Hånes	nå
23 Vollevannet - Jærnes	8 min
M3 Søm	9 min



UiA v/Spicheren



Nettbuss 8 x 108 4 mm (each line)
Norway



Vix 40 x 192 4 mm
United Kingdom



Denver RTD 32 x 144 8 mm
Denver, Colorado USA



RAIL SIGNAGE

Whether entering the station to board a train or waiting on the platform, today's busy rail commuters seek up-to-date information. The solution? Our wide range of LED and LCD rail signage.

Our concourse displays inform the traveler of up-to-the-minute departure and arrival times, capacity and directional information, platform details and potential delays or cancellations. Platform displays, available in LED amber and full color as well as LCD, are great for both outdoor and underground use.

RECOMMENDED PRODUCTS

AF-6710

Full-color text to highlight schedule, destination and promotional information

AF-6700

Multiple pixel pitches of crisp amber text with a wide viewing angle

LS-1000

Sharp resolution displays for close-up viewing indoors and in covered areas



Heathrow Express 9 x 192 8 mm (each line)
London, United Kingdom



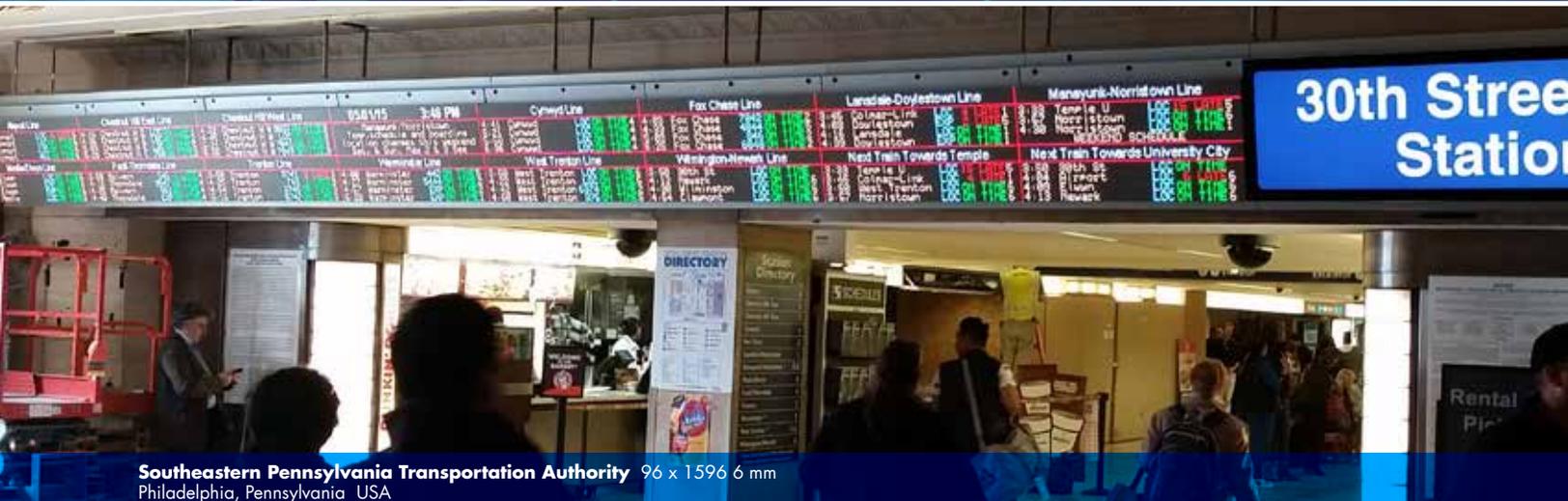
Translink 96 x 224 6 mm
Vancouver, Canada



Southeastern Pennsylvania Transportation Authority 96 x 192 6 mm (each display)
Philadelphia, Pennsylvania USA



Washington Union Station 128 x 736 6 mm (each display)
Washington DC USA



Southeastern Pennsylvania Transportation Authority 96 x 1596 6 mm
Philadelphia, Pennsylvania USA

CHOOSING THE RIGHT DISPLAY

Selecting the appropriate passenger information sign depends on the location, environmental factors, viewing distance and intended content. The information below and on the next page will help you determine which display technology and model is best suited for your project's needs.



LOCATION

Identify where the signs will be located.

› ABOVE GROUND

- › Interior location where the display won't compete with direct sunlight or harsh, outdoor elements. A transit center, for example.
- › Exterior location where the display is subject to particle intrusion, weather and direct sunlight.

› BELOW GROUND

Typically on a subway platform.



ENVIRONMENTAL FACTORS

Consider the climate of the location and how it may affect the operation of the display. Even though they may technically be mounted indoors, displays near trains and other forms of transportation must be designed for easy washing and resistance to the intrusion of particles such as brake dust.

› BRAKE DUST

› PRESSURE WASHING

› CLIMATE CONDITIONS

- › Direct Sunlight (important—managing thermal gain and ensuring display readability)
- › Extreme hot or cold temperatures
- › High winds



VIEWING DISTANCE

The distance of the audience from the display helps determine the needed resolution. See the chart in the Display Technology Basics on page 27 for more specific recommendations. Will your display have a viewing distance of:

› CLOSER THAN 6 METERS

- › Bus shelters or in areas where displays are mounted on a wall

› BETWEEN 6–30 METERS

- › Station platforms or large plaza areas

› GREATER THAN 30 METERS

- › Large interior or exterior plaza areas

› NONE OF THE ABOVE

- › The display needs to have the highest resolution possible for maximum impact.



CONTENT

What type of content do you intend to show on the display?

› WAYFINDING

› SCHEDULING: ARRIVALS & DEPARTURES

› PROMOTION

› ADVERTISING

› SENSE OF PLACE

Destination					
				Vote	Remarque
IR	15.18	Morges Nyon Genève	Genève-Aéroport	8	
IC	15.20	Fribourg/Freiburg Zürich HB	St. Gallen	1	
IR	15.20	Vevey Montreux Aigle Sion Visp Brig		3	groupes sec. D
RE	15.21	Renens Morges Gland Nyon Genève		7	
S21	15.24	Puidoux-C. Palézieux Moudon Payerne		70	
S3	15.26	Prilly-M. Renens Morges Allaman		8	
S2	15.30	Pully-Nord Puidoux-C. Palézieux		1	
S2	15.32	Renens Bussigny Vallorbe		5	
S3	15.35	Pully Lutry Vevey Montreux Villeneuve		3	
IC	15.42	Genève Genève-Aéroport		5	
RE	15.42	Palézieux Romont		1	
EC	15.45	Genève		7	
ICN	15.45	Yverdon Olten Zürich HB St. Gallen		8	
IR	15.45	Vevey Montreux Aigle Sion Visp Brig		3	
IR	15.48	Morges Nyon Genève Genève-Aéroport		6	
IR	15.50	Fribourg/Freiburg Bern Sursee Luzern		1	

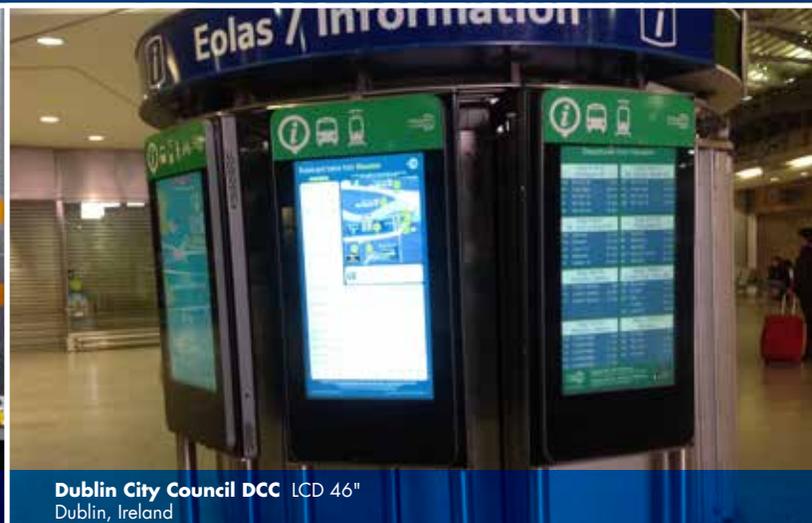
Schweizerische Bundesbahnen SBB 476 x 884 4 mm
Lausanne, Switzerland

SELECTION CRITERIA	LED MESSAGE DISPLAYS			LCD	LARGE SCALE LED VIDEO		LED STREET FURNITURE
	AF-6700	AF-6710	AF-6800		Indoor	Outdoor	
	Above Ground Interior	•	•	•	•		•
	Above Ground Exterior	•	•	•	•*	•	•
	Below Ground	•	•	•	•		
	Brake Dust	•	•	•	•		
	Pressure Washing	•	•	•			
	Direct Sunlight	•	•	•		•	•
	Extreme Temperatures	•	•	•	•	•	•
	High Winds	•	•	•	•	•	•
	Less than 6 m	•	•	•	•	•	•
	6 – 30 m	•	•	•	•	•	•
	Greater than 30 m					•	•
	Best Resolution					•	
	Wayfinding	•	•	•	•		•
	Scheduling	•	•	•	•	•	•
	Promotion		•		•	•	•
	Advertising				•	•	•
	Sense of Place					•	•
	Full Color		•		•	•	•
	Monochrome	•		•			

*Not suited for direct sunlight



Irish Rail LCD 55"
Dublin, Ireland



Dublin City Council DCC LCD 46"
Dublin, Ireland



Liverpool South Parkway Station LCD 40" (each display)
Liverpool, United Kingdom



L-SERIES LCD DISPLAYS



The L-Series LCD display offers a high-definition solution for sharing information with travelers on the go. Best suited for covered, outdoor areas, the high resolution HD screen features easy integration with Daktronics Data Vision Software or third-party software. A favorite for broadcasting real-time passenger information, the L-Series clearly communicates public service announcements in critical times of need. Crystal-clear advertising imagery catches passerby eyes between critical messages.



CONSIDER THIS

- ▶ Sharp resolution presents information clearly to close-up passengers.
- ▶ L-Series displays have a three-to five-year lifespan.
- ▶ A variety of communication inputs include DVI and HDMI.
- ▶ Backlight monitoring, temperature readings and thermal management included.



Semi-Outdoor

L-SERIES SPECIFICATIONS

SEMI-OUTDOOR LCD DISPLAY

175° VIEWING ANGLE

MODEL NUMBER GUIDE

LS-1000-55-16:9-SF

LCD	SERIES NUMBER	DIAGONAL MEASUREMENT	ASPECT RATIO	# OF FACES
-----	---------------	----------------------	--------------	------------

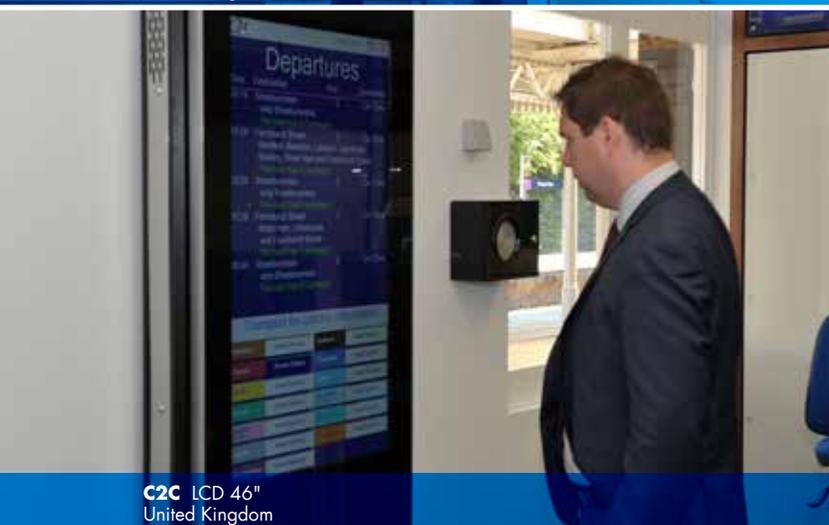
MODEL NUMBER	APPROX. CABINET DIMENSIONS INCHES (HxWxD)	APPROX. CABINET DIMENSIONS MILLIMETERS (HxWxD)	WEIGHT POUNDS	WEIGHT KILOGRAMS	POWER USAGE WATTS	ORIENTATION	ASPECT RATIO	RESOLUTION
LS-1000-28-16:3-SF	7.8" x 35.4" x 7.8"	198 x 899 x 198	39	18	39	Landscape	16:3	1366x256
LS-1000-38-16:4.5-SF	17.8" x 47.7" x 7.6"	450 x 1210 x 192	84	38	85	Landscape	16:4.5	1920x540
LS-1000-49-16:4.5-SF	16.1" x 55.5" x 7.8"	409 x 1471 x 198	75	34	120	Landscape	16:4.5	1920x538
LS-1000-40-16:9-SF	25.6" x 41.1" x 8.5"	650 x 1044 x 216	133	60	180	Landscape	16:9	1920x1080
LS-1000-55-16:9-SF	35.6" x 57.9" x 8.3"	904 x 1397 x 216	242	110	260	Landscape	16:9	1920x1080



Irish Rail LCD 49"
Dublin, Ireland



Nexus Central Station LCD 40"
United Kingdom



C2C LCD 46"
United Kingdom



Transport for London LCD 40"
United Kingdom



Maryland Transit Administration 96 x 256 6 mm
 Baltimore, Maryland USA

Department of Transportation



GALAXY AF-67X0 LED MESSAGE DISPLAYS



The AF-67X0 series provides rail passengers with up-to-the-minute schedules, destination information and advertising. This message display's 6-mm or 8-mm pixel spacing guides patrons with clear text and offers a wide range of viewing distances. Due to its robust design and industrial-strength cabinet, the display can be installed and easily maintained in locations where weather or particle intrusion are of concern. The AF-67X0 features wired, fiber optic and wireless communication options.



CONSIDER THIS

- › Supports a wide range of character sizes and meets ADA requirements
- › NEMA 4X / IP65 rating enables cabinet to withstand harsh conditions
- › Application of conformal coating to all electronic components
- › DVS software protocol easily integrates with existing third-party software
- › Flexible install with RS422 or Ethernet (wired or fiber) communication options
- › Pixel test enables central control the ability to monitor LED status
- › Configures blank in the event of communication loss to the display

SERIES TECHNICAL SPECIFICATIONS

Pixel Pitch	6 mm (0.24") or 8 mm (0.3") center-to-center
Color Capability	Monochrome (amber) or full-color (RGB)
LEDs per Pixel	1 amber or 3-in-1 RGB
Estimated LED Lifetime	100,000+ hours
Viewing Angle	120°
Contrast Enhancement	Contrast enhancing polycarbonate face with 5 degree face tilt
Service Access	Front access
Graphic Capability	Text, graphics, logos, multiple font styles and sizes
Control Software	DVS software or third-party integrators using DVS SDK (software developers kit)
Power	120 or 240 VAC single phase
Operating Temperature	-40°C to 48°C (-40°F to 120°F)
Display Dimming	99 levels (automatic or manual control)
Communication Options	RS422 and Ethernet (wired or fiber)
Compliance	UL listed, NEMA 4X / IP65 cabinet, NEC

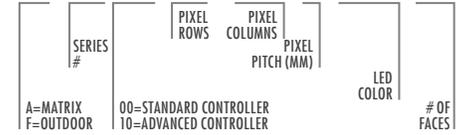
AF-6710 SERIES SPECIFICATIONS

OUTDOOR FULL-COLOR GALAXY DISPLAY

6 MM PIXEL PITCH
120° VIEWING ANGLE

MODEL NUMBER GUIDE

AF-67X0-32x160-6-RGB-DF



	MODEL NUMBER	APPROX. CABINET DIMENSIONS	APPROX. CABINET DIMENSIONS	LINE/CHAR. PER LINE	LINE/CHAR. PER LINE	LINE/CHAR. PER LINE	WEIGHT POUNDS	WEIGHT KILOGRAMS	MAXIMUM POWER USAGE WATTS (RGB)
		INCHES (HxWxD)	MILLIMETERS (HxWxD)	1.68"	3.1"	4"			
DOUBLE FACE	AF-6710-32x96-6-RGB-DF	14.4" x 37.2" x 13.75"	366 x 945 x 349	4/16	2/10	1/7	92	42	214
	AF-6710-32x128-6-RGB-DF	14.4" x 37.2" x 13.75"	366 x 945 x 349	4/21	2/13	1/9	92	42	265
	AF-6710-32x160-6-RGB-DF	14.4" x 44.8" x 13.75"	366 x 1138 x 349	4/27	2/16	1/11	112	51	316
	AF-6710-32x192-6-RGB-DF	14.4" x 52.4" x 13.75"	366 x 1331 x 349	4/32	2/19	1/14	132	60	367
	AF-6710-32x256-6-RGB-DF	14.4" x 67.6" x 13.75"	366 x 1717 x 349	4/42	2/26	1/18	172	78	470
	AF-6710-64x96-6-RGB-DF	22" x 37.2" x 13.75"	559 x 945 x 349	8/16	4/10	3/7	137	62	367
	AF-6710-64x128-6-RGB-DF	22" x 37.2" x 13.75"	559 x 945 x 349	8/21	4/13	3/9	137	62	470
	AF-6710-64x160-6-RGB-DF	22" x 44.8" x 13.75"	559 x 1138 x 349	8/27	4/16	3/11	166	75	572
	AF-6710-64x192-6-RGB-DF	22" x 52.4" x 13.75"	559 x 1331 x 349	8/32	4/19	3/14	195	88	674
	AF-6710-64x256-6-RGB-DF	22" x 67.6" x 13.75"	559 x 1717 x 349	8/43	4/26	3/18	253	115	879
	AF-6710-96x96-6-RGB-DF	29.6" x 37.2" x 13.75"	752 x 945 x 349	12/16	6/10	5/7	181	82	521
	AF-6710-96x128-6-RGB-DF	29.6" x 37.2" x 13.75"	752 x 945 x 349	12/21	6/13	5/9	181	82	674
	AF-6710-96x160-6-RGB-DF	29.6" x 44.8" x 13.75"	752 x 1138 x 349	12/27	6/16	5/11	219	99	828
	AF-6710-96x192-6-RGB-DF	29.6" x 52.4" x 13.75"	752 x 1331 x 349	12/32	6/19	5/14	257	117	982
	AF-6710-96x256-6-RGB-DF	29.6" x 67.6" x 13.75"	752 x 1717 x 349	12/43	6/26	5/18	333	151	1289
SINGLE FACE	AF-6710-32x96-6-RGB-SF	14.4" x 37.2" x 8.5"	366 x 945 x 216	4/16	2/10	1/7	84	38	214
	AF-6710-32x128-6-RGB-SF	14.4" x 37.2" x 8.5"	366 x 945 x 216	4/21	2/13	1/9	84	38	265
	AF-6710-32x160-6-RGB-SF	14.4" x 44.8" x 8.5"	366 x 1138 x 216	4/27	2/16	1/11	101	46	316
	AF-6710-32x192-6-RGB-SF	14.4" x 52.4" x 8.5"	366 x 1331 x 216	4/32	2/19	1/14	118	54	367
	AF-6710-32x256-6-RGB-SF	14.4" x 67.6" x 8.5"	366 x 1717 x 216	4/43	2/26	1/18	152	69	470
	AF-6710-64x96-6-RGB-SF	22" x 37.2" x 8.5"	559 x 945 x 216	8/16	4/10	3/7	128	58	367
	AF-6710-64x128-6-RGB-SF	22" x 37.2" x 8.5"	559 x 945 x 216	8/21	4/13	3/9	128	58	470
	AF-6710-64x160-6-RGB-SF	22" x 44.8" x 8.5"	559 x 1138 x 216	8/27	4/16	3/11	154	70	572
	AF-6710-64x192-6-RGB-SF	22" x 52.4" x 8.5"	559 x 1331 x 216	8/32	4/19	3/14	180	82	674
	AF-6710-64x256-6-RGB-SF	22" x 67.6" x 8.5"	559 x 1717 x 216	8/43	4/26	3/18	232	105	879
	AF-6710-96x96-6-RGB-SF	29.6" x 37.2" x 8.5"	752 x 945 x 216	12/16	6/10	5/7	172	78	521
	AF-6710-96x128-6-RGB-SF	29.6" x 37.2" x 8.5"	752 x 945 x 216	12/21	6/13	5/9	172	78	674
	AF-6710-96x160-6-RGB-SF	29.6" x 44.8" x 8.5"	752 x 1138 x 216	12/27	6/16	5/11	207	94	828
	AF-6710-96x192-6-RGB-SF	29.6" x 52.4" x 8.5"	752 x 1331 x 216	12/32	6/19	5/14	242	110	982
	AF-6710-96x256-6-RGB-SF	29.6" x 67.6" x 8.5"	752 x 1717 x 216	12/43	6/26	5/18	312	142	1289

NOTES

1. The AF-6710 series number indicates the use of an advanced controller and is available with RGB.
2. The AF-6700 series number indicates the use of a standard controller and is available with Amber LEDs.
3. Consistent with Daktronics continuous improvement program, all product features are subject to change without notice.

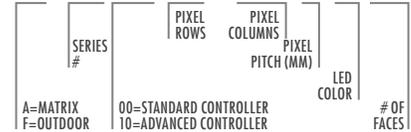
AF-6700 SERIES SPECIFICATIONS

OUTDOOR MONOCHROME GALAXY DISPLAY

6 MM PIXEL PITCH
120° VIEWING ANGLE

MODEL NUMBER GUIDE

AF-67X0-32x160-6-A-DF



MODEL NUMBER	APPROX. CABINET DIMENSIONS	APPROX. CABINET DIMENSIONS	LINE/CHAR. PER LINE	LINE/CHAR. PER LINE	LINE/CHAR. PER LINE	WEIGHT POUNDS	WEIGHT KILOGRAMS	MAXIMUM POWER USAGE WATTS (A)
	INCHES (HxWxD)	MILLIMETERS (HxWxD)	1.68"	3.1"	4"			
AF-6700-16x96-6-A-DF	14.4" x 37.2" x 13.75"	366 x 945 x 349	2/16	1/10	-	92	42	112
AF-6700-16x128-6-A-DF	14.4" x 37.2" x 13.75"	366 x 945 x 349	2/21	1/13	-	92	42	143
AF-6700-16x144-6-A-DF	14.4" x 41" x 13.75"	366 x 1041 x 349	2/24	1/14	-	102	46	158
AF-6700-16x192-6-A-DF	14.4" x 52.4" x 13.75"	366 x 1331 x 349	2/32	1/19	-	132	60	204
AF-6700-16x256-6-A-DF	14.4" x 67.6" x 13.75"	366 x 1717 x 349	2/43	1/26	-	172	78	266
AF-6700-32x96-6-A-DF	14.4" x 37.2" x 13.75"	366 x 945 x 349	4/16	2/10	1/7	92	42	204
AF-6700-32x128-6-A-DF	14.4" x 37.2" x 13.75"	366 x 945 x 349	4/21	2/13	1/9	92	42	266
AF-6700-32x144-6-A-DF	14.4" x 41" x 13.75"	366 x 1041 x 349	4/24	2/14	1/10	102	46	296
AF-6700-32x192-6-A-DF	14.4" x 52.4" x 13.75"	366 x 1331 x 349	4/32	2/19	1/14	132	60	389
AF-6700-32x256-6-A-DF	14.4" x 67.6" x 13.75"	366 x 1717 x 349	4/43	2/26	1/18	172	78	512
AF-6700-48x96-6-A-DF	18.2" x 37.2" x 13.75"	462 x 945 x 349	6/16	3/10	2/7	115	52	297
AF-6700-48x128-6-A-DF	18.2" x 37.2" x 13.75"	462 x 945 x 349	6/21	3/13	2/9	115	52	389
AF-6700-48x144-6-A-DF	18.2" x 41" x 13.75"	462 x 1041 x 349	6/24	3/14	2/10	127	58	435
AF-6700-48x192-6-A-DF	18.2" x 52.4" x 13.75"	462 x 1331 x 349	6/32	3/19	2/14	164	74	573
AF-6700-48x256-A-DF	18.2" x 67.6" x 13.75"	462 x 1717 x 349	6/43	3/26	2/18	213	97	757
AF-6700-64x96-6-A-DF	22" x 37.2" x 13.75"	559 x 945 x 349	8/16	4/10	3/7	137	62	389
AF-6700-64x128-6-A-DF	22" x 37.2" x 13.75"	559 x 945 x 349	8/21	4/13	3/9	137	62	512
AF-6700-64x144-6-A-DF	22" x 41" x 13.75"	559 x 1041 x 349	8/24	4/14	3/10	151	68	573
AF-6700-64x192-6-A-DF	22" x 52.4" x 13.75"	559 x 1331 x 349	8/32	4/19	3/14	195	88	757
AF-6700-64x256-6-A-DF	22" x 67.6" x 13.75"	559 x 1717 x 349	8/43	4/26	3/18	253	115	1003
AF-6700-16x96-6-A-SF	14.4" x 37.2" x 8.5"	366 x 945 x 216	2/16	1/10	-	67	30	82
AF-6700-16x128-6-A-SF	14.4" x 37.2" x 8.5"	366 x 945 x 216	2/21	1/13	-	74	34	89
AF-6700-16x144-6-A-SF	14.4" x 41" x 8.5"	366 x 1041 x 216	2/24	1/14	-	94	43	112
AF-6700-16x192-6-A-SF	14.4" x 52.4" x 8.5"	366 x 1331 x 216	2/32	1/19	-	122	55	143
AF-6700-16x256-6-A-SF	14.4" x 67.6" x 8.5"	366 x 1717 x 216	2/43	1/26	-	67	30	112
AF-6700-32x96-6-A-SF	14.4" x 37.2" x 8.5"	366 x 945 x 216	4/16	2/10	1/7	67	30	143
AF-6700-32x128-6-A-SF	14.4" x 37.2" x 8.5"	366 x 945 x 216	4/21	2/13	1/9	74	34	158
AF-6700-32x144-6-A-SF	14.4" x 41" x 8.5"	366 x 1041 x 216	4/24	2/14	1/10	94	43	204
AF-6700-32x192-6-A-SF	14.4" x 52.4" x 8.5"	366 x 1331 x 216	4/32	2/19	1/14	122	55	266
AF-6700-32x256-6-A-SF	14.4" x 67.6" x 8.5"	366 x 1717 x 216	4/43	2/26	1/18	85	39	158
AF-6700-48x96-6-A-SF	18.2" x 37.2" x 8.5"	462 x 945 x 216	6/16	3/10	2/7	85	39	204
AF-6700-48x128-6-A-SF	18.2" x 37.2" x 8.5"	462 x 945 x 216	6/21	3/13	2/9	93	42	227
AF-6700-48x144-6-A-SF	18.2" x 41" x 8.5"	462 x 1041 x 216	6/24	3/14	2/10	119	54	279
AF-6700-48x192-6-A-SF	18.2" x 52.4" x 8.5"	462 x 1331 x 216	6/32	3/19	2/14	154	70	389
AF-6700-48x256-A-SF	18.2" x 67.6" x 8.5"	462 x 1717 x 216	6/43	3/26	2/18	102	46	204
AF-6700-64x96-6-A-SF	22" x 37.2" x 8.5"	559 x 945 x 216	8/16	4/10	3/7	102	46	266
AF-6700-64x128-6-A-SF	22" x 37.2" x 8.5"	559 x 945 x 216	8/21	4/13	3/9	113	51	296
AF-6700-64x144-6-A-SF	22" x 41" x 8.5"	559 x 1041 x 216	8/24	4/14	3/10	144	65	389
AF-6700-64x192-6-A-SF	22" x 52.4" x 8.5"	559 x 1331 x 216	8/32	4/19	3/14	186	84	512
AF-6700-64x256-6-A-SF	22" x 67.6" x 8.5"	559 x 1717 x 216	8/43	4/26	3/18	169	77	542

- NOTES
1. The AF-6710 series number indicates the use of an advanced controller and is available with RGB.
 2. The AF-6700 series number indicates the use of a standard controller and is available with Amber LEDs.
 3. Consistent with Daktronics continuous improvement program, all product features are subject to change without notice.

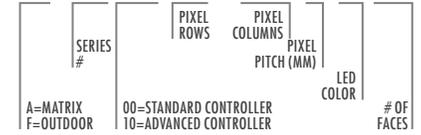
AF-6700 SERIES SPECIFICATIONS

OUTDOOR MONOCHROME GALAXY DISPLAY

8 MM PIXEL PITCH
120° VIEWING ANGLE

MODEL NUMBER GUIDE

AF-67X0-32x160-8-A-DF



	MODEL NUMBER	APPROX. CABINET DIMENSIONS		LINE/CHAR. PER LINE	LINE/CHAR. PER LINE	WEIGHT POUNDS	WEIGHT KILOGRAMS	MAXIMUM POWER USAGE WATTS (A)
		INCHES (HxWxD)	MILLIMETERS (HxWxD)					
DOUBLE FACE	AF-6700-16x96-8-A-DF	14" x 45.2" x 13.75"	356 x 1148 x 349	2/16	1/11	106	48	112
	AF-6700-16x128-8-A-DF	14" x 45.2" x 13.75"	356 x 1148 x 349	2/21	1/14	106	48	143
	AF-6700-16x144-8-A-DF	14" x 50" x 13.75"	356 x 1270 x 349	2/24	1/16	118	54	158
	AF-6700-16x192-8-A-DF	14" x 64.4" x 13.75"	356 x 1636 x 349	2/32	1/21	154	70	204
	AF-6700-16x256-8-A-DF	14" x 83.6" x 13.75"	356 x 2124 x 349	2/43	1/28	201	91	266
	AF-6700-32x96-8-A-DF	16.4" x 45.2" x 13.75"	417 x 1148 x 349	4/16	2/11	122	55	204
	AF-6700-32x128-8-A-DF	16.4" x 45.2" x 13.75"	417 x 1148 x 349	4/21	2/14	122	55	266
	AF-6700-32x144-8-A-DF	16.4" x 50" x 13.75"	417 x 1270 x 349	4/24	2/16	136	62	296
	AF-6700-32x192-8-A-DF	16.4" x 64.4" x 13.75"	417 x 1636 x 349	4/32	2/21	177	80	389
	AF-6700-32x256-8-A-DF	16.4" x 83.6" x 13.75"	417 x 2124 x 349	4/43	2/28	231	105	512
	AF-6700-48x96-8-A-DF	21.2" x 45.2" x 13.75"	538 x 1148 x 349	6/16	3/11	141	64	297
	AF-6700-48x128-8-A-DF	21.2" x 45.2" x 13.75"	538 x 1148 x 349	6/21	3/14	141	64	389
	AF-6700-48x144-8-A-DF	21.2" x 50" x 13.75"	538 x 1270 x 349	6/24	3/16	157	71	435
	AF-6700-48x192-8-A-DF	21.2" x 64.4" x 13.75"	538 x 1636 x 349	6/32	3/21	203	92	573
	AF-6700-48x256-8-A-DF	21.2" x 83.6" x 13.75"	538 x 2124 x 349	6/43	3/28	266	121	757
	AF-6700-64x96-8-A-DF	26" x 45.2" x 13.75"	661 x 1148 x 349	8/16	4/11	162	73	389
	AF-6700-64x128-8-A-DF	26" x 45.2" x 13.75"	661 x 1148 x 349	8/21	4/14	162	73	512
	AF-6700-64x144-8-A-DF	26" x 50" x 13.75"	661 x 1270 x 349	8/24	4/16	180	82	573
	AF-6700-64x192-8-A-DF	26" x 64.4" x 13.75"	661 x 1636 x 349	8/32	4/21	233	106	757
	AF-6700-64x256-8-A-DF	26" x 83.6" x 13.75"	661 x 2124 x 349	8/43	4/28	304	138	1003
SINGLE FACE	AF-6700-16x96-8-A-SF	14" x 45.2" x 8.5"	356 x 1148 x 216	2/16	1/11	75	34	66
	AF-6700-16x128-8-A-SF	14" x 45.2" x 8.5"	356 x 1148 x 216	2/21	1/14	75	34	82
	AF-6700-16x144-8-A-SF	14" x 50" x 8.5"	356 x 1270 x 216	2/24	1/16	83	38	89
	AF-6700-16x192-8-A-SF	14" x 64.4" x 8.5"	356 x 1636 x 216	2/32	1/21	107	49	112
	AF-6700-16x256-8-A-SF	14" x 83.6" x 8.5"	356 x 2124 x 216	2/43	1/28	140	64	143
	AF-6700-32x96-8-A-SF	16.4" x 45.2" x 8.5"	417 x 1148 x 216	4/16	2/11	88	40	112
	AF-6700-32x128-8-A-SF	16.4" x 45.2" x 8.5"	417 x 1148 x 216	4/21	2/14	88	40	143
	AF-6700-32x144-8-A-SF	16.4" x 50" x 8.5"	417 x 1270 x 216	4/24	2/16	98	44	158
	AF-6700-32x192-8-A-SF	16.4" x 64.4" x 8.5"	417 x 1636 x 216	4/32	2/21	126	57	204
	AF-6700-32x256-8-A-SF	16.4" x 83.6" x 8.5"	417 x 2124 x 216	4/43	2/28	163	74	266
	AF-6700-48x96-8-A-SF	21.2" x 45.2" x 8.5"	538 x 1148 x 216	6/16	3/11	103	47	158
	AF-6700-48x128-8-A-SF	21.2" x 45.2" x 8.5"	538 x 1148 x 216	6/21	3/14	103	47	204
	AF-6700-48x144-8-A-SF	21.2" x 50" x 8.5"	538 x 1270 x 216	6/24	3/16	114	52	227
	AF-6700-48x192-8-A-SF	21.2" x 64.4" x 8.5"	538 x 1636 x 216	6/32	3/21	147	67	279
	AF-6700-48x256-8-A-SF	21.2" x 83.6" x 8.5"	538 x 2124 x 216	6/43	3/28	191	87	389
	AF-6700-64x96-8-A-SF	26" x 45.2" x 8.5"	661 x 1148 x 216	8/16	4/11	120	54	204
	AF-6700-64x128-8-A-SF	26" x 45.2" x 8.5"	661 x 1148 x 216	8/21	4/14	120	54	266
	AF-6700-64x144-8-A-SF	26" x 50" x 8.5"	661 x 1270 x 216	8/24	4/16	133	60	296
	AF-6700-64x192-8-A-SF	26" x 64.4" x 8.5"	661 x 1636 x 216	8/32	4/21	171	78	389
	AF-6700-64x256-8-A-SF	26" x 83.6" x 8.5"	661 x 2124 x 216	8/43	4/28	222	101	512

NOTES

1. The AF-6710 series number indicates the use of an advanced controller and is available with RGB.
2. The AF-6700 series number indicates the use of a standard controller and is available with Amber LEDs.
3. Consistent with Daktronics continuous improvement program, all product features are subject to change without notice.



Dublin City Council Dublin Bus 9 x 192 4 mm (each line)
Dublin, Ireland



GALAXY AF-6800 LED MESSAGE DISPLAYS

The monochrome AF-6800 display provides bus passengers with up-to-the-minute schedules, destination information and advertising. It guides patrons with a tight resolution of 4-mm pixel spacing for clear text, legible from a wide range of viewing distances. This vandal-resistant display is easily installed and maintained in outdoor locations such as transit centers, bus stops and transfer stations. The AF-6800 features wired, fiber optic and wireless communication options.

CONSIDER THIS

- › Range of character sizes support ADA requirements
- › Maximum content flexibility and easy readability
- › NEMA 4X / IP65 rating enables cabinet to withstand harsh conditions
- › Application of conformal coating to all electronic components
- › Aesthetically pleasing cabinet construction lends an architectural appeal
- › DVS software protocol easily integrates with existing software
- › Flexible install with RS422 or Ethernet (wired or fiber) communication options
- › Pixel test enables central control the ability to monitor LED status
- › Configures to a default message in the event of communication loss to the display

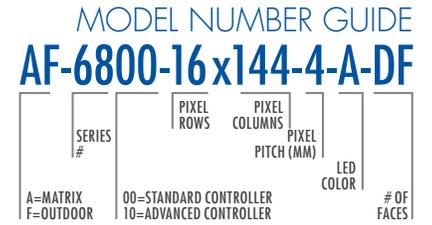
SERIES TECHNICAL SPECIFICATIONS

Pixel Pitch	4 mm (0.18") center-to-center
Color Capability	Monochrome (amber)
LEDs per Pixel	1 amber
Estimated LED Lifetime	100,000+ hours
Viewing Angle	60°
Contrast Enhancement	Contrast enhancing polycarbonate face with 5 degree face tilt
Service Access	Front access
Graphic Capability	Text, graphics, logos, multiple font styles and sizes
Control Software	DVS software or third-party integrators using DVS SDK (software developers kit)
Power	120 or 240 VAC single phase
Operating Temperature	-40°C to 48°C (-40°F to 120°F)
Display Dimming	99 levels (automatic or manual control)
Communication Options	RS422 and Ethernet (wired or fiber)
Compliance	UL listed, NEMA 4X / IP65 cabinet, NEC

AF-6800 SERIES SPECIFICATIONS

OUTDOOR MONOCHROME GALAXY DISPLAY

4 MM PIXEL PITCH
60° VIEWING ANGLE



	MODEL NUMBER	APPROX. CABINET DIMENSIONS		LINE/CHAR. PER LINE 1.3"	LINE/CHAR. PER LINE 2"	WEIGHT POUNDS	WEIGHT KILOGRAMS	MAXIMUM POWER USAGE WATTS (A)
		INCHES (HxWxD)	MILLIMETERS (HxWxD)					
DOUBLE FACE	AF-6800-16x128-4-A-DF	10.17" x 30.7" x 10.1"	258 x 780 x 257	2/21	1/14	35.3	16	132
	AF-6800-16x144-4-A-DF	10.17" x 33.52" x 10.1"	258 x 851 x 257	2/24	1/16	42	19	142
	AF-6800-16x192-4-A-DF	10.17" x 42.19" x 10.1"	258 x 1072 x 257	2/32	1/21	48.5	22	173
	AF-6800-32x128-4-A-DF	13.06" x 30.7" x 10.58"	332 x 780 x 269	4/21	2/14	47.4	21.5	214
	AF-6800-32x144-4-A-DF	13.06" x 33.52" x 10.58"	332 x 851 x 269	4/24	2/16	52	23.5	235
	AF-6800-32x192-4-A-DF	13.06" x 42.19" x 10.58"	332 x 1072 x 269	4/32	2/21	64	29	296
	AF-6800-48x128-4-A-DF	15.95" x 30.7" x 11.08"	405 x 780 x 281	6/21	3/14	59.5	27	296
	AF-6800-48x144-4-A-DF	15.95" x 33.52" x 11.08"	405 x 851 x 281	6/24	3/16	64	29	327
	AF-6800-48x192-4-A-DF	15.95" x 42.19" x 11.08"	405 x 1072 x 281	6/32	3/21	81.5	37	419
SINGLE FACE	AF-6800-16x128-4-A-SF	10.17" x 30.7" x 8"	258 x 780 x 203	2/21	1/14	27.5	12.5	91
	AF-6800-16x144-4-A-SF	10.17" x 33.52" x 8"	258 x 851 x 203	2/24	1/16	31.3	14.2	96
	AF-6800-16x192-4-A-SF	10.17" x 42.19" x 8"	258 x 1072 x 203	2/32	1/21	38.6	17.5	112
	AF-6800-32x128-4-A-SF	13.06" x 30.7" x 8.24"	332 x 780 x 209	4/21	2/14	37.5	17	132
	AF-6800-32x144-4-A-SF	13.06" x 33.52" x 8.24"	332 x 851 x 209	4/24	2/16	40.8	18.5	142
	AF-6800-32x192-4-A-SF	13.06" x 42.19" x 8.24"	332 x 1072 x 209	4/32	2/21	50.7	23	173
	AF-6800-48x128-4-A-SF	15.95" x 30.7" x 8.49"	405 x 780 x 216	6/21	3/14	46.8	21.2	173
	AF-6800-48x144-4-A-SF	15.95" x 33.52" x 8.49"	405 x 851 x 216	6/24	3/16	50.7	23	188
	AF-6800-48x192-4-A-SF	15.95" x 42.19" x 8.49"	405 x 1072 x 216	6/32	3/21	63.5	28.8	234

NOTES

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New Haven Union Station 384 x 768 6 mm (each display)
New Haven, Connecticut USA

LARGE-SCALE LED VIDEO DISPLAYS

Bring pristine, high-resolution indoor and outdoor LED video to your fast-paced public transport facility. These ultra-sharp displays are the most versatile product in the industry. They can be configured or scaled to show bright, revenue-generating advertisements, live broadcasts and dynamic information to patrons.



KEY FEATURES

- › Display zoning separates content from multiple sources into multiple windows for schedules, advertising, news and various languages
- › Extra-wide viewing angle (140 degrees)
- › Smooth frame-by-frame motion processing for seamless video reproduction
- › Versatile cabinet design creates a display of any shape or size
- › Integrates with existing control systems

INDOOR LED VIDEO DISPLAYS

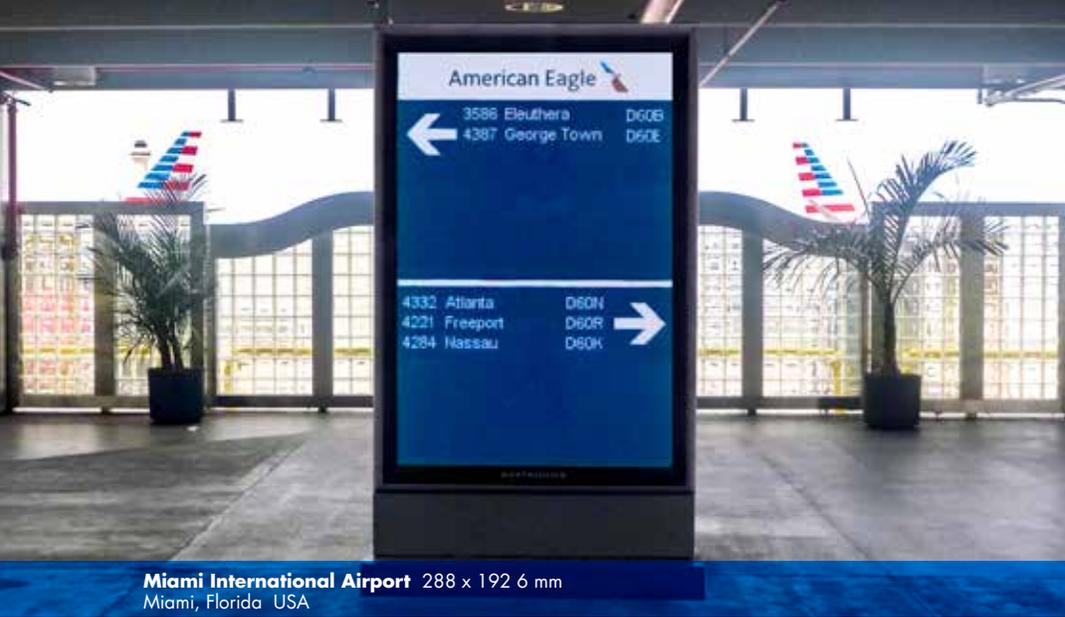
- › Crisp, vivid text and animation with narrow pixel pitch spacing: 1.2, 1.9, 2.5, 4 and 6 mm

OUTDOOR LED VIDEO DISPLAYS

- › Sealed electronic components and multiple contrast-enhancing details
- › Crisp, vivid text and animation with pixel pitch spacing: 6 and 10 mm



Schweizerische Bundesbahnen SBB 476 x 884 4 mm
Winterthur, Switzerland



Miami International Airport 288 x 192 6 mm
Miami, Florida USA



City of Baltimore 240 x 192 6 mm
Baltimore, Maryland USA



DSF-600 STREET FURNITURE DISPLAYS



LED Digital Street Furniture looks sleek and classy, blending effortlessly into the surrounding environment. Vivid details attract attention with high-contrast advertising and timely alerts at eye level. Because the display features 6,000 nits of adjustable brightness, messages are always readable despite varying light and weather conditions.



CONSIDER THIS

- › Eye-pleasing architecture creates a favorable impression
- › Multiple mounting options for installation convenience
- › Weather-resistant cabinet ensures critical passenger information

DATA VISION SOFTWARE (DVS)

DVS allows the user to display information on multiple electronic sign types, in large or small quantities. It is primarily used to interpret and display real-time passenger information for public transport applications, as well as public service announcements, graphics and advertising. It can also be used as a stand-alone application.

CAPABILITIES

- › Full diagnostics available for each display
- › Uses latest web technologies (HTML5)
- › Display of multiple languages is supported
- › Proven solution across global locations and applications
- › Custom interfaces possible (XML, web services, databases, Excel file, etc.)

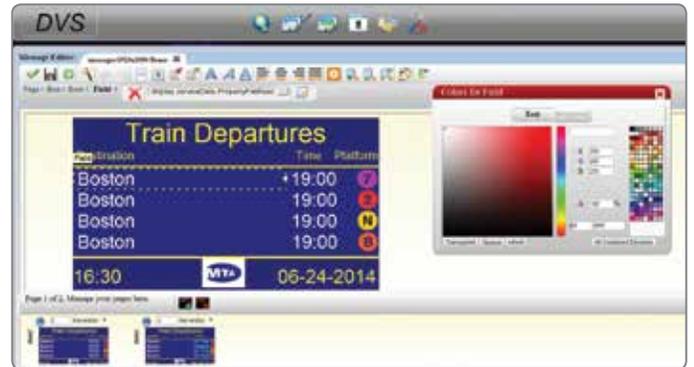
CONTENT LIBRARY

Thumbnails represent images and video stored in a folder that can be used to create a message.



LAYOUT EDITOR

Provides user with the capability to develop a personalized structure and branding for the content.



SETUP

- › Implements a hierarchy of individual user access
- › System used for unlimited number of signs
- › Software Development Kit available
- › DVS resides on a central or local station server or the display
- › DVS manages displays without operator interaction
- › Standard interface provides two methods to supply data
 - › Properties file (basic users)
 - › RESTful interface (advanced users)

OPERATIONS

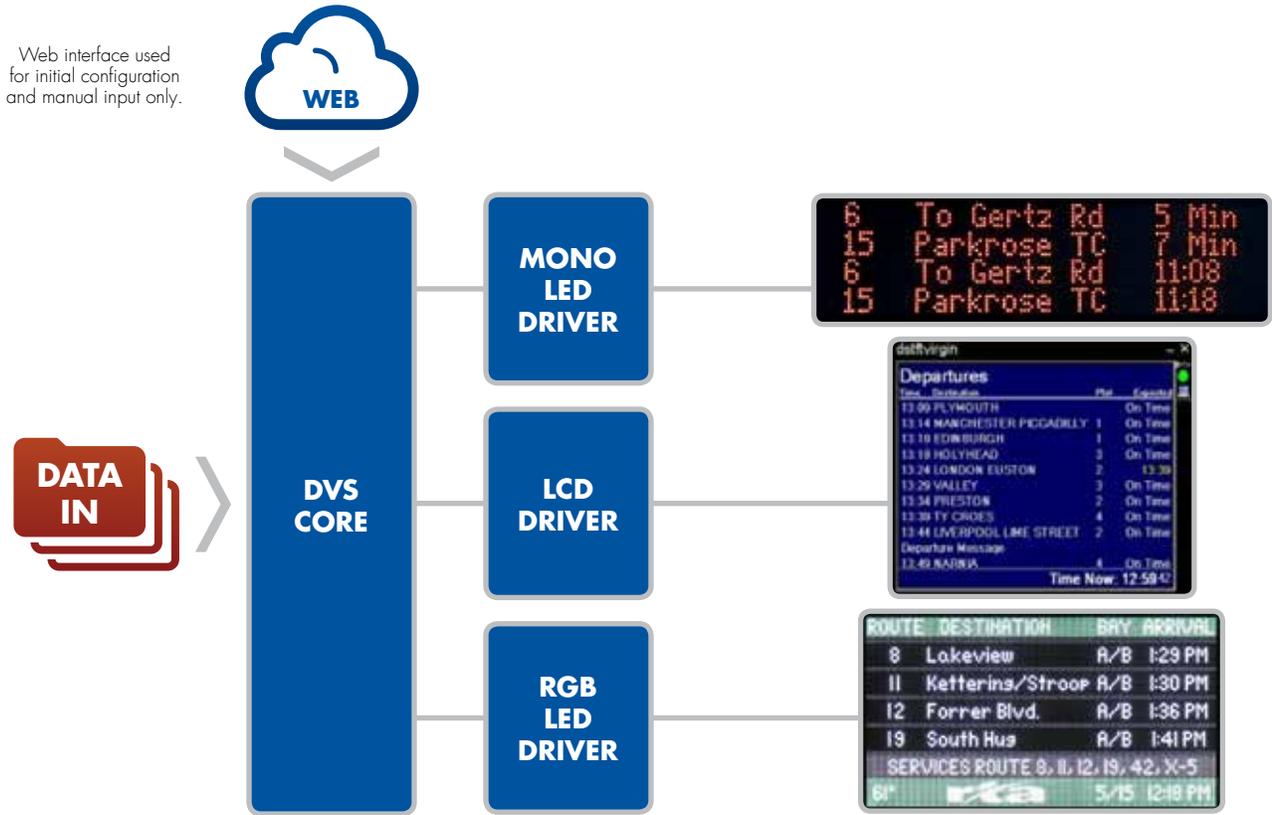
- › DVS automatically ensures only supported features are available
- › Schedule messages manually or through a calendar
- › Intuitive, user-friendly, web-based graphical user interface
- › Comprehensive WYSIWYG layout editor
- › Real-time emulation replicates the sign content for the user
- › Full media library supports all standard formats
- › Video automatically converts to the sign's format.
- › Emulation integrates into client's GUI using http requests

SYSTEM REQUIREMENTS

- › Windows 7, Windows Server 2008 or later
- › At least 1.5GHz processor x86 or x86-64
- › 2GB RAM
- › 1GB free hard disk (additional for content)
- › Client: Chrome or Chromium web browser v55 or later
- › Virtual environment is supported

SYSTEM ARCHITECTURE

A data feed is supplied to DVS before the information is distributed to the appropriate displays within the network. This architecture is valid for both a real time passenger information system and for a standalone system.



MESSAGE DELIVERY

Manually sending messages to displays and setting up timing is a simple process.



SCHEDULE EDITOR

Complete control over the timing of messages. Content can be scheduled for any day and time.

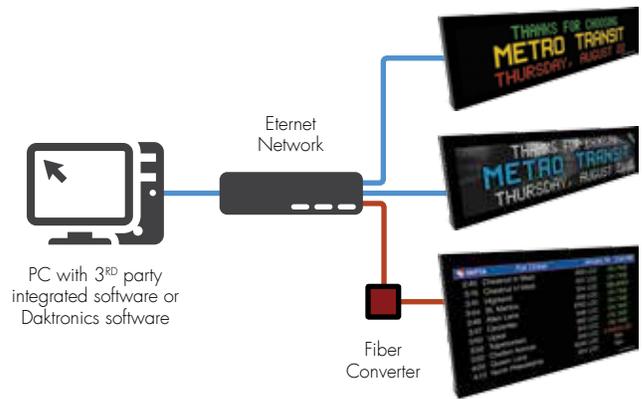


COMMUNICATION OPTIONS

With multiple built-in connection options, our displays connect seamlessly with existing control software and signage networks. These intelligent displays are engineered for simple, reliable integration. Plus, our expert technical support team can help you build your network to fit your application.

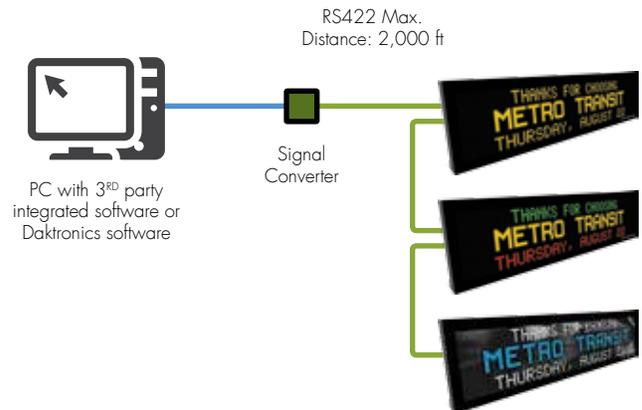
TCP/IP OVER ETHERNET NETWORK (FIBER AND WIRED)

- › CAT 5 distance between the TCP/IP network and the display is less than 0.1 km (330 ft)
- › Fiber distance between the TCP/IP network and the display is less than 2 km (1.24 mi)
- › Optical fibers provide electrical isolation to network



RS422 NETWORK

- › Used indoors when the distance between the computer and the display is less than 0.6 km (2000 ft)
- › Used outdoors when fiber optic cannot be used and the distance between the computer and the display is less than 0.6 km (2000 ft)
- › A signal converter is needed to convert the computer's signal to RS422

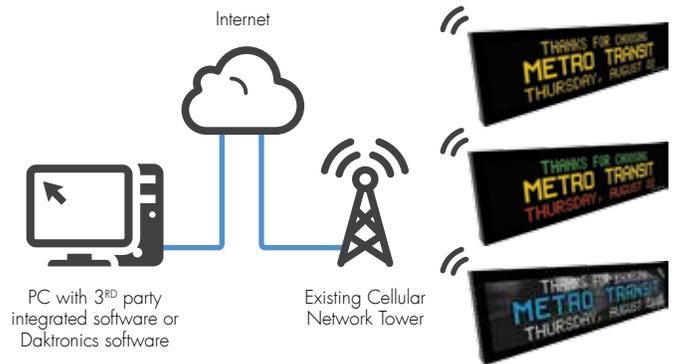


PERFORMANCE TRAITS

	TCP/IP ETHERNET	RS422 NETWORK	CELLULAR IP	WIFI
Max. distance from local network router to display	90 m (300 ft)	600 m (2000 ft)	contact Daktronics	contact Daktronics
Reliability	good	good	good	good
Noise immunity	good	good	good	good
Data speed	best	best	good	good

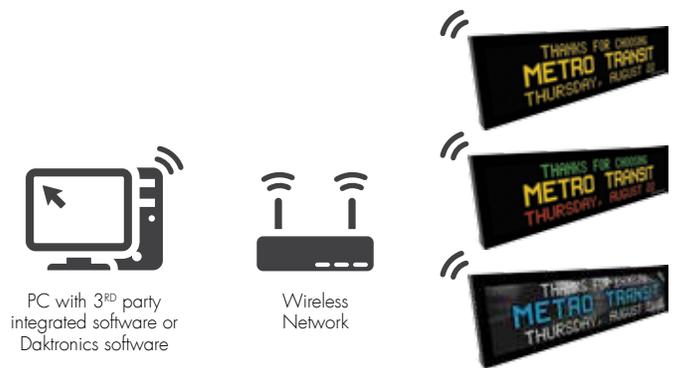
CELLULAR IP

- › Used when other means of communications are not available
- › Easy installation, flexible feature set and remote configuration
- › Universal coverage - installs nearly anywhere, including rural areas
- › Always-on connection provides instant contact in an emergency
- › Packet-switched network provides a high level of reliability

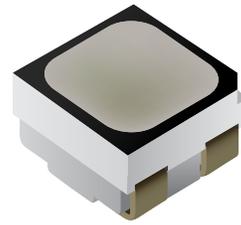
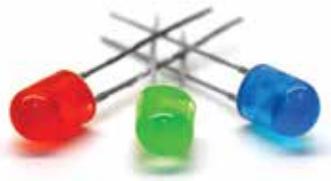


WIFI

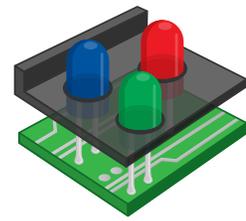
- › Distance between control and display is determined by access point
- › Interfaces to standard 802.11bg WiFi access point
- › Can be set up as Ad-Hoc mode or configured into your current network
- › WEP and WPA security options



LED BASICS



Surface-mount pixel



Through-hole pixel

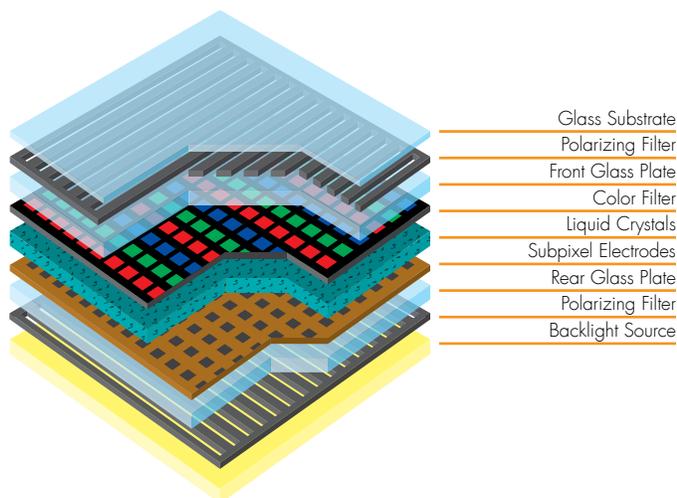
A light emitting diode (LED) is a tiny, electronic semiconductor that converts electric energy into visible light. The chemical compound used within an LED determines its color, brightness and power efficiency. Unlike incandescent lamps, LEDs have no filaments that can burn out or fail.

A pixel (short for picture elements) is a point of light that illuminates to form letters, words, graphics, animations and video images. It is the smallest element of the electronics display system that is individually controlled—turned off or on at various brightness levels.

LCD BASICS

A liquid-crystal display (LCD) is a flat-panel display or other electronically modulated optical device that uses the light-modulating properties of liquid crystals. Liquid crystals do not emit light directly, instead, they use a backlight or reflector to produce images in color.

Daktronics LS-1000 Series LCD's are designed and tested for semi-outdoor applications and are constructed with a robust cabinet to protect from harsh transit environment. The LS-Series includes a single board computer for network applications providing travelers real-time passenger information.

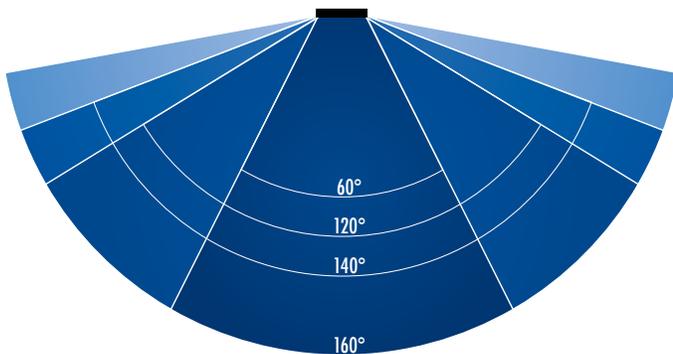


TEXT SIZE VIEWING RANGE

Distance and viewing time directly affect the viewing range of a display. Transit facilities may use all of these distances depending on the location of a person and the display.

MAXIMUM VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
30 m (100 ft)	51 mm (2 in)
46 m (150 ft)	76 mm (3 in)
91 m (300 ft)	152 mm (6 in)

Maximum viewing range can be calculated by figuring a maximum of 15 meters of viewing length per 25 mm of character height.



VIEWING ANGLE CONSIDERATIONS

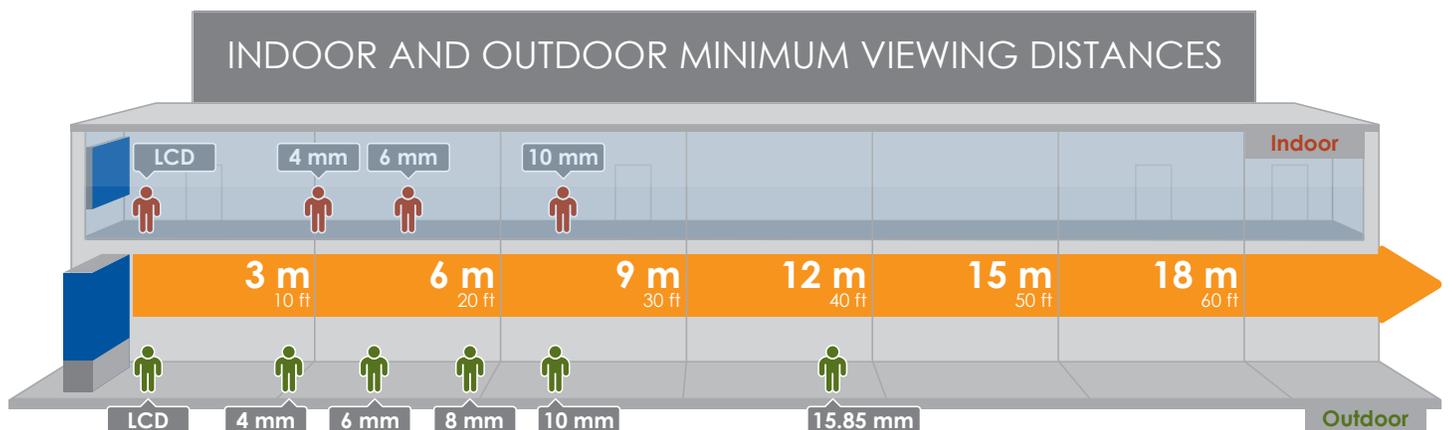
Depending on the model, mass transit agencies can cover a wide viewing area with one display.

The viewing angle is determined by the horizontal and vertical points of which the measured light intensity is 50 percent of that measured directly in front of the display. Actual viewing area is much greater.

The shaded viewing angle areas represent minimum viewable areas.

RESOLUTION

Resolution is the number of pixels contained in a given physical area of a display. The more pixels in one square foot, the more detail can be displayed.





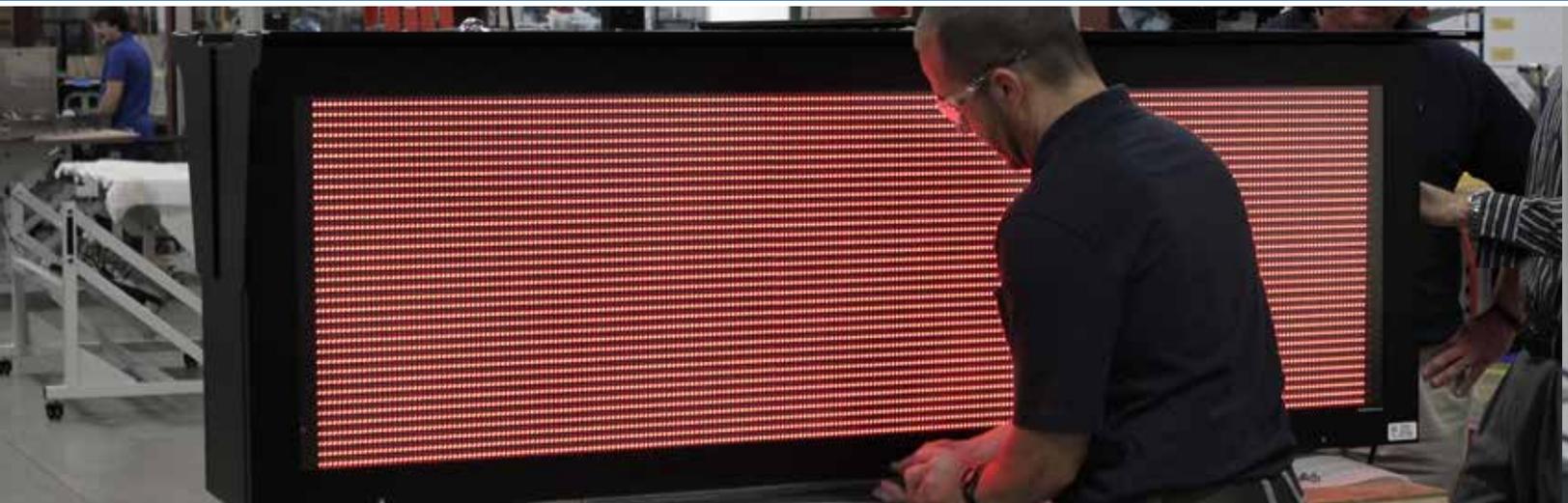
CUSTOMER SERVICE

Daktronics encompasses the necessary experience to keep your network of displays running. Whether you have a few or many signs, our experience can keep them operational.

WE'VE PROVIDED 65,000+ DISPLAYS TO THE TRANSPORTATION MARKET:

- › **OVER 21,000 ITS**
- › **OVER 8,000 AIRPORT**
- › **OVER 5,000 PARKING**
- › **OVER 32,000 PUBLIC TRANSPORT**

Daktronics service infrastructure, combined with our experience designing, installing and servicing tens of thousands of displays, allows us to provide the resources you need to maintain your display network.





WARRANTY

One year of parts and service coordination.



TRAINING

Multiple options available with after-hours support.



TECHNICAL SUPPORT

Technicians available days, nights and weekends.



ON-SITE SERVICE

Factory-trained technicians located across the country.



SERVICE AGREEMENTS

Three service package tiers to choose from.



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