



FULL COLOR OUTDOOR
LED SIGNS

WHY CHOOSE ELECTRO-MATIC?

Powering Innovation. Delivering Excellence.

EXPERIENCE YOU CAN TRUST

- For over half a century, Electro-Matic has been a leader in industrial automation and technology

SINCE 1969

- Over five decades of supplying industrial automation components & solutions

SINCE 1991

- Pioneers in LED displays, selling Electro-Matic's 1st Industrial Andon Board Solution
- Tens of thousands of indoor & outdoor LED displays, installed nationwide

COMMITMENT TO QUALITY

- **ISO9001:2015 Certified since 1998** – Strict international standards with continuous improvement
- Audited twice a year by independent agencies for quality assurance

LOCAL SUPPORT, NATIONWIDE REACH

- Factory-trained dealer network and dedicated project managers ensure expert assistance before, during, & after your purchase
- Provide personalized service & support, tailored to your needs

PROUDLY ASSEMBLED IN THE USA

- Our manufacturing, customer service, and engineering headquarters are in Farmington Hills, Michigan



2000

2010

2020

TODAY



EXPERIENCE. QUALITY. SUPPORT.
BUILT IN THE USA.

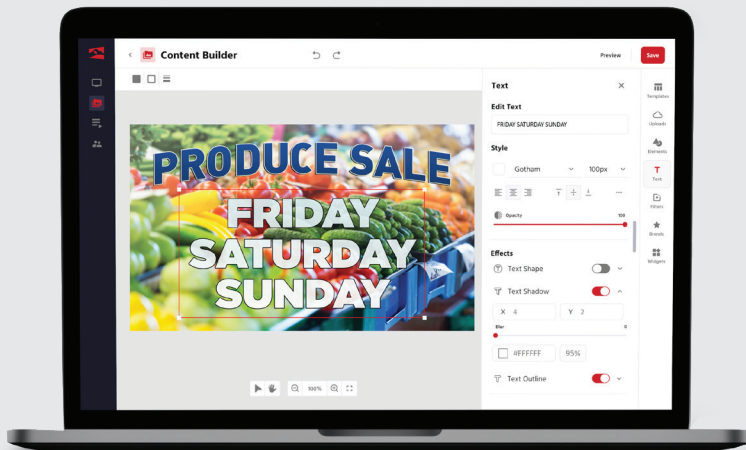
Choose Electro-Matic for trusted solutions that power your business and your community.



The Most Powerful Digital Signage Software

VUE software by Electro-Matic is an online cloud-based software program compatible with all operating systems for anything including electronic message centers, to LED video walls, televisions, menu boards, digital billboards, and more. This new software contains countless features that are all extremely user-friendly.

- Update the sign content in real time
- Create playlists and schedules
- Works with any sign
- Verify whether a sign is online or offline
- View what sign is displaying
- Access Media Services Library
- Send images, ads, menus, websites, & more from your devices to your sign
- Easy to use
- Supports Mac, Windows, iOS & Android



Multiple Communication Options

Electro-Matic cellular modem provides a secure, 4G connection to your LED display so you can manage it from any location with our included Verizon Wireless® connection.

- Cellular Modem
- Wireless Bridge
- Ethernet Connection
- Lifetime contracts for all new LED signs



Tech Support

Electro-Matic Visual's technical support experts, with decades of LED sign experience in a wide array of applications, can train you on how to manage your LED sign, offer tips, and more.

5 Year Factory Parts Warranty

- Confidence in quality of construction and availability of replacement/repair parts

Technical Support from US Location

- No support delays caused by overseas time zones
- Repository of training videos available on internet 24/7

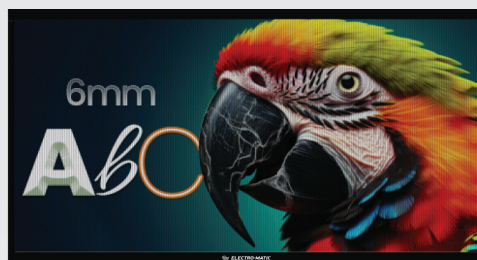
LED Sign Software Training

Electro-Matic Visual offers **virtual online training sessions** with one of our technical support experts to help maximize the potential of your LED sign. Use the calendar to review available sessions and book your online training appointment!

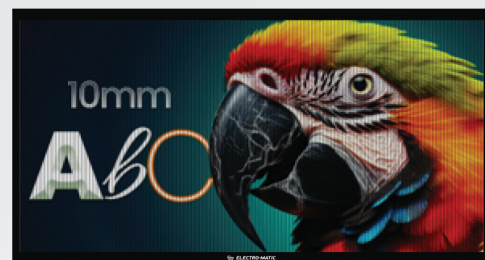


Pixel Pitch Comparison

Pixel pitch refers to the distance between individual pixels on an LED display, directly impacting its resolution. Our full-color LED displays are available in two pixel pitch options, each designed to deliver a specific level of image sharpness and detail. Whether you're targeting close-up pedestrian viewing or visibility from greater distances, we offer a solution optimized for your needs.



Example Shown: 180 x 360 Pixels
4ft. x 8ft. Cabinet



Example Shown: 120 x 240 Pixels
4ft. x 8ft. Cabinet

Pixel Pitch
Tile Resolution (H x W)
Total LED Tile Pixels
Minimum Viewing Distance

6MM
40 x 80
3,200 (178 % MORE PIXELS)
20FT

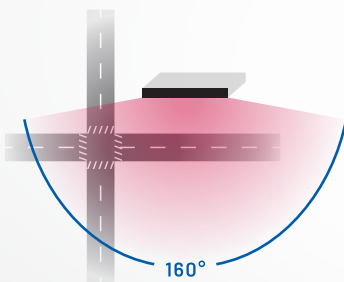
10MM
24 x 48
1,152
45ft

HIGHER RESOLUTION

Up to 1.9mm outdoor available

ENHANCED VIEWING ANGLE & COLOR

LEDs deliver vibrant color and wide 160° viewing angle for best-in-class performance



THINNER PROFILE

Aluminum extruded cabinet

OPTIMIZED POWER CONSUMPTION

Encased heat sink

MODULAR LED CABINETS

HEIGHT	WIDTH
35.4 in	47.2 in
23.6 in	31.5 in
23.6 in	47.2 in
35.4 in	31.5 in

EASY INSTALL

Angle iron install



LED SIGN SPECIFICATIONS

Cabinet Material	Extruded Aluminum	Connector Type	RJ45 with Rean connectors	Scan Rate	P6-55 / P10-25
Controller	Powered by NovaStar	Power Supply	Megameet	Refresh Rate	3840Hz
LED	King Light	Maintenance	Front Service	Receive Card	A5s
LED Housing	Black Body/Gray Face	Ventilation	Front	Max Brightness	8,000 Nits
Warranty	5 year parts	Redundancy	Data and Power		
IC	5251	Brightness Control	Auto/Manual Dimming		

LED Sizing Chart

ADD OPTIONAL TOP & BOTTOM VENTILATION ADDITIONAL SQFT +2.66 INCHES TO TOTAL HEIGHT		+0.58	+0.87	+1.16	+1.46	+1.75	+2.04	+2.33	+2.62	+2.91	+3.20	+3.49	+3.78	+4.07	+4.36		
6 mm	10 mm	HEIGHT INCHES															
450	300	10	25.83 118.11 x 31.50	38.75 118.11 x 47.24	51.67 118.11 x 62.99	64.58 118.11 x 78.74	77.50 118.11 x 94.49	90.42 118.11 x 110.24	103.33 118.11 x 125.98	116.25 118.11 x 141.73	129.17 118.11 x 157.48	142.08 118.11 x 173.23	155.00 118.11 x 188.98	167.92 118.11 x 204.72	180.83 118.11 x 220.47	193.75 118.11 x 236.22	
405	270	9	23.25 106.30 x 31.50	34.87 106.30 x 47.24	46.50 106.30 x 62.99	58.12 106.30 x 78.74	69.75 106.30 x 94.49	81.37 106.30 x 110.24	93.00 106.30 x 125.98	104.62 106.30 x 141.73	116.25 106.30 x 157.48	127.87 106.30 x 173.23	139.50 106.30 x 188.98	151.12 106.30 x 204.72	162.75 106.30 x 220.47	174.37 106.30 x 236.22	
360	240	8	20.67 94.49 x 31.50	31.00 94.49 x 47.24	41.33 94.49 x 62.99	51.67 94.49 x 78.74	62.00 94.49 x 94.49	72.33 94.49 x 110.24	82.67 94.49 x 125.98	93.00 94.49 x 141.73	103.33 94.49 x 157.48	113.67 94.49 x 173.23	124.00 94.49 x 188.98	134.33 94.49 x 204.72	155.00 94.49 x 220.47	161.16 94.49 x 236.22	
315	210	7	18.08 82.68 x 31.50	27.12 82.68 x 47.24	36.17 82.68 x 62.99	45.21 82.68 x 78.74	54.25 82.68 x 94.49	63.29 82.68 x 110.24	72.33 82.68 x 125.98	81.37 82.68 x 141.73	90.42 82.68 x 157.48	99.46 82.68 x 173.23	108.50 82.68 x 188.98	117.54 82.68 x 204.72	126.58 82.68 x 220.47	135.62 82.68 x 236.22	
270	180	6	15.50 70.87 x 31.50	23.25 70.87 x 47.24	31.00 70.87 x 62.99	38.75 70.87 x 78.74	46.50 70.87 x 94.49	54.25 70.87 x 110.24	62.00 70.87 x 125.98	69.75 70.87 x 141.73	77.50 70.87 x 157.48	85.25 70.87 x 173.23	93.00 70.87 x 188.98	100.75 70.87 x 204.72	108.50 70.87 x 220.47	116.25 70.87 x 236.22	
225	150	5	12.92 59.06 x 31.50	19.37 59.06 x 47.24	25.83 59.06 x 62.99	32.29 59.06 x 78.74	38.75 59.06 x 94.49	45.21 59.06 x 110.24	51.67 59.06 x 125.98	58.12 59.06 x 141.73	64.58 59.06 x 157.48	71.04 59.06 x 173.23	77.50 59.06 x 188.98	83.96 59.06 x 204.72	90.42 59.06 x 220.47	96.87 59.06 x 236.22	
180	120	4	10.33 47.24 x 31.50	15.50 47.24 x 47.24	20.67 47.24 x 62.99	25.83 47.24 x 78.74	31.00 47.24 x 94.49	36.17 47.24 x 110.24	41.33 47.24 x 125.98	46.50 47.24 x 141.73	51.67 47.24 x 157.48	56.83 47.24 x 173.23	62.00 47.24 x 188.98	67.17 47.24 x 204.72	72.33 47.24 x 220.47	77.50 47.24 x 236.22	
135	90	3	7.75 35.43 x 31.50	11.62 35.43 x 47.24	15.50 35.43 x 62.99	19.37 35.43 x 78.74	23.25 35.43 x 94.49	27.12 35.43 x 110.24	31.00 35.43 x 125.98	34.87 35.43 x 141.73	38.75 35.43 x 157.48	42.62 35.43 x 173.23	46.50 35.43 x 188.98	50.37 35.43 x 204.72	54.25 35.43 x 220.47	58.12 35.43 x 236.22	
90	60	2	5.17 23.62 x 31.50	7.75 23.62 x 47.24	10.33 23.62 x 62.99	12.92 23.62 x 78.74	15.50 23.62 x 94.49	18.08 23.62 x 110.24	20.67 23.62 x 125.98	23.25 23.62 x 141.73	25.83 23.62 x 157.48	28.42 23.62 x 173.23	31.00 23.62 x 188.98	33.58 23.62 x 204.72	36.17 23.62 x 220.47	38.75 23.62 x 236.22	
NOMINAL SIZE (FT)			31.50	47.24	62.99	78.74	94.49	110.24	125.98	141.73	157.48	173.23	188.98	204.72	220.47	236.22	WIDTH INCHES
10 mm			80	120	160	200	240	280	320	360	400	440	480	520	560	600	10 mm
6 mm			180	240	300	360	420	480	540	600	660	720	780	840	900	960	6 mm

A **DISPLAY SQFT.**
The total square footage of the LED sign display face.

B **ADDITIONAL VENTING**
Optional square footage to add to **A** for total sqft for the LED display and cabinet.

Add a total of 2.66" to the display height to get the complete cabinet height of the LED sign with added venting.

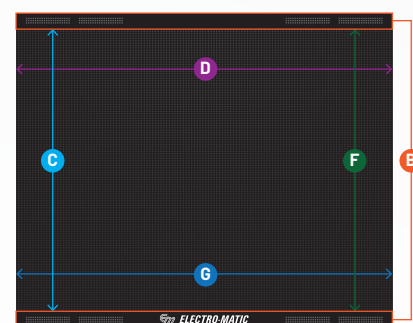
C **ADDITIONAL VENTING DISPLAY HEIGHT (in)**
LED display height in inches (blue box).
If adding additional cabinet venting add 2.66" to this number.
Nominal display height in gray.

D **DISPLAY WIDTH (in)**
LED display width in inches (blue box).
Nominal display width in gray.

E **DISPLAY DIMENSIONS**
The LED display height (**C**) and (**D**) width repeated for easy viewing.

F **PIXEL HEIGHT (PX)**
Pixel height for the desired LED display height. **10mm** in black and **6mm** in blue.

G **PIXEL WIDTH (PX)**
Pixel width for the desired LED display height. **10mm** in black and **6mm** in blue.



Part Number Configurator

EMU3 6 D 060 X 240 1 D V

PRODUCT LINE	PIXEL PITCH	NO. OF SIDES	PX VERTICAL	X	PX HORIZONTAL	VOLTAGE	COMMUNICATION	VENTING
EMU3 <i>Does Not Change</i>	6 = 6mm 10 = 10mm	S = Single-Sided D = Double-Sided	YYY <i>Always 3 digits: e.g. 60 pixels = 060, 240 pixels = 240</i>	X <i>Does Not Change</i>	XXX <i>Always 3 digits: e.g. 60 pixels = 060, 240 pixels = 240</i>	1 = 120 VAC 2 = 240 VAC 3 = 208 VAC	C = Cellular D = Direct F = Fiber R = Radio	NV = No Venting V = Top + Bottom Vents



DETROIT
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GRAND RAPIDS
MICHIGAN

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OHIO

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FLORIDA

MIAMI
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ORLANDO
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