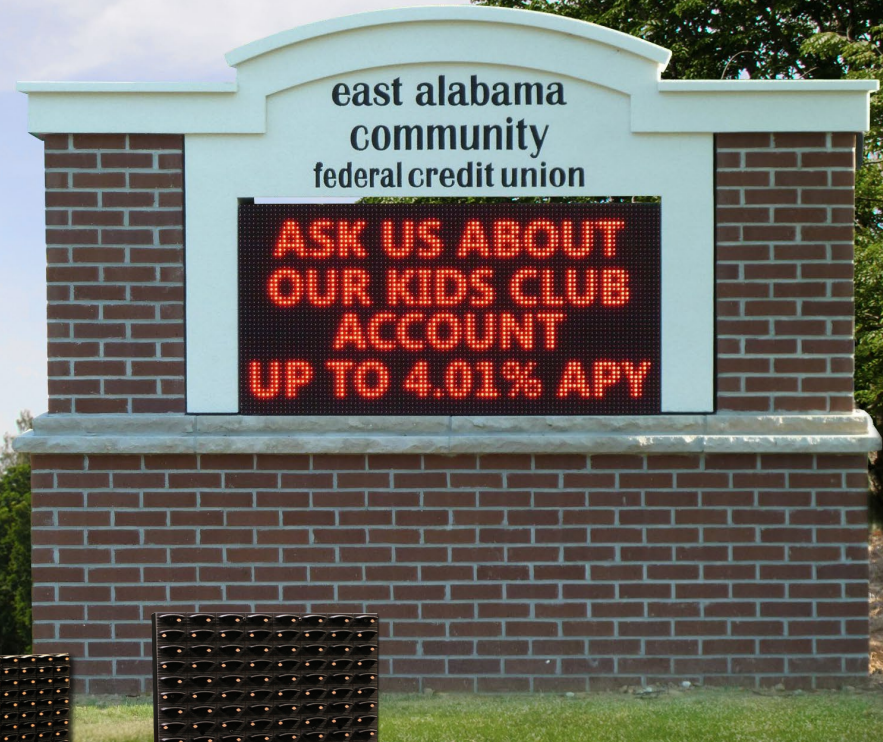




Raven™ Traditional Grayscale Series

Our Grayscale LED Display Series will directly express the heart of your client's organization. More attractive and safer than manual letterboards, our displays will please audiences with simple to read text messages and 4096 shades of impressive image and video quality. Your client's LED sign will make a strong, yet beautiful presentation to their community. You will **be impressed with the sheer performance and reliability.**



16mm
16 x 16 matrix (10" x 10")



20mm
8 x 16 matrix (6.3" x 12.6")



25mm
8 x 8 matrix (7.87" x 7.87")

Colors: 4096 shades Red or Amber

LEDs Per Pixel: 2

Viewing Angle: 160 degree

Brightness: 10,000 Nits (adjustable)

Contrast Ratio: 1000:1

Frame Rate: 60 fps

Graphic Capability: Text, Animations, Graphics & Video

Dimming Levels: 100

Scanning Rate: 1200+ Hz

Average LED Life: 100,000 hours

Serviceability: Quick release half turn latch system with Allen Key. Snap-on connectors for data and power.

Construction: Aluminum cabinet

Mounting: 2" or 3" x 3/16" thick continuous steel angle top & bottom

Weather Rating: Conformal coated components / IP65 Front

Software: SM Infinity™ Cloudware or LightSpeed™ Local Software

Certification: ETL / UL 48

Warranty: 5 year parts

On-site Service: 5 years onsite



Safety, Care, and Pride

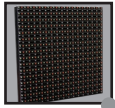
ETL certified & tested to be safely operated outside, RoHS compliance means Restriction of Hazardous Substances.

- Designed, Engineered, and Built with pride in the USA

Engineered Cabinet

Designed and built in the USA to ensure strength and weatherability.

- Extruded aluminum construction with steel supports to minimize weight while maximizing strength.
- Industry Proven Powder Coat, or use our custom Dragon Skin coating available on request.
- Available borderless or with custom border (1½" typical)(as shown below)



LED Modules

Tiles of high quality LED's that connect together to create the display area.

- Deflective louver system shade LEDs & increase contrast
- Two half-turn connection points for easy front access & serviceability for faster repairs and less downtime.
- Neoprene seals adjust to weather & do not crack ensuring longer performance.



Power Supplies

Converts AC power to DC power.

- Conformal coating protects from corrosion & oxidation and increases its durability by 25%
- Voltage and temperature safeguards mean fewer service issues, and longer lasting systems.

Darwin™ Control Unit

Powerful Intel-Based PC Controller

- Solid state hard drive for greater reliability
- Can integrate with audio or live video or custom applications
- Auto backup of content on the cloud with SM Infinity™



Wireless Radios

Secure transmission using paired devices at the building and sign.

- Pre-configured at the factory to plug n play
- Allows more freedom in choosing where to install LED sign
- No trenching for a data cable through parking lots or sidewalks



Continuous Steel Angle

High strength steel used to mount the display to any structure.

- 3/16" thick steel allows mounting anywhere as oppose to clips
- Located along top and bottom edges to support a variety of connection points.
- Angle is inset from the edge to help hide fasteners

Power Connection

Pre wired for 120 VAC or 240 VAC.

- External power whip provided for easy hookup
- Power requirements clearly documented and labeled.



Master/Slave Connection

Mirrors the content from the master side to the slave side.



Internal Exhaust Fans

Regulates temperature and eliminates moisture inside display.

- Fans only turn on when it gets hot and turn off when desired temp is achieved
- This helps reduce corrosion making the components last longer



SM Infinity™ Cloud-Based Software Included

Allows complete control of LED sign from any Internet-connected PC, Mac, Mobile, or iPad with SM Infinity App. Other features include Doodle™ online message editor, multiple users, automated amber alerts, & access to professional content creation.

