

RGB Freedom Series

Outdoor LED Display Screen



The Sign You've Been Waiting For...

Signal-Tech has other full-color, dynamic, variable message signs, but nothing like this! The RGB Freedom is Signal-Tech's outdoor LED display screen that offers end-users incredible messaging versatility and an easy-to-use and intuitive user experience. These signs give you the FREEDOM to display full-color, animated videos that reinforce a business's brand identity, showcase its logos and taglines, and display promotional messaging without restrictions.

The Signal-Tech RGB Freedom is controlled by any media or content player with an HDMI output and connects to the sign's HDMI input. This enables end-users to create and display custom messages, graphics, animations, and videos on a truly plug-and-play LED display. These signs are created with LED modules arranged closely together to form a larger display surface. Varying colors, patterns, intervals, and intensities of illuminated LEDs create moving pictures. How closely the LEDs are grouped together on the display (called pixel pitch) determines the distance at which the sign's messaging is most clear. The RGB Freedom is available in two different pixel pitches – 5mm and 10mm – for different applications.

The RGB Freedom operates using 100-240 VAC in indoor or outdoor conditions between -4°F and 140°F and features UL/cUL listed components. It is enclosed within a 6063-T6 aluminum alloy cabinet that is NEMA 3R rated to ensure protection from the elements and features stainless steel hardware. These signs are available in nearly any size imaginable, making it a truly scalable solution. The Signal-Tech RGB Freedom truly is the sign you've been waiting for!

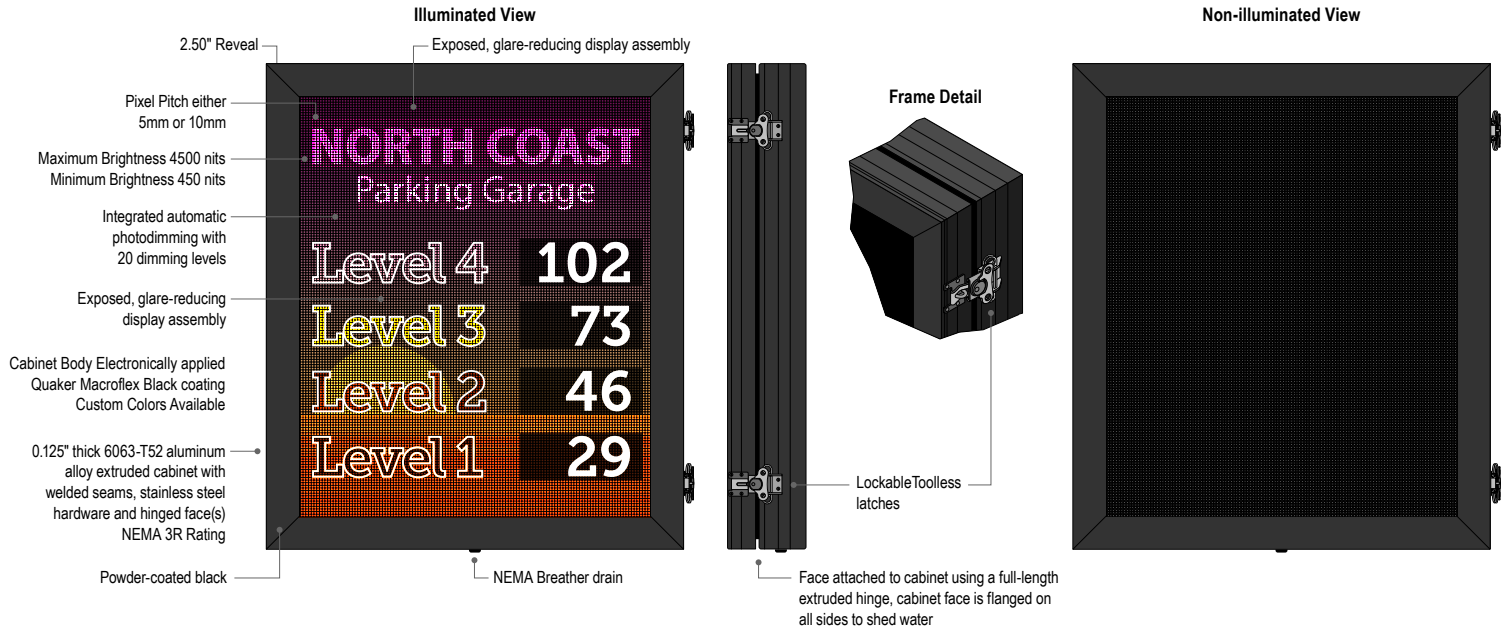
Call for Quote
877-547-9900



Signal-Tech
signal-tech.com

RGB Freedom Series Specs

Full-Color, Dynamic Outdoor LED Display Screen



Outdoor/indoor blank-out signs with a NEMA 3R cabinet, narrow angle LEDs and contrasting black face. The sign message is formed by visible LEDs that illuminate when activated and blank-out when deactivated

Electrical

- Input voltage: 120-240VAC
- Input connection type: Tool-actuated terminal blocks (DIN Rail)
- Current @ 120VAC: Varies by product (Refer to individual product spec sheet)
- Overload protection: Replaceable in-line fuses placed on secondary/5V output buses. Power supplies feature built-in overload protection
- Load type: Capacitive; at power-up, capacitive loads will induce a very brief inrush of up to 10x the power supply's idle consumption
- Power efficiency: 83.5% to 88.5% (@230VAC, rated load); power supply shall not be loaded beyond its rated safe operating area
- Surge protection: None;
Optional DIN Rail mounted surge protectors available

Visual/Illumination

- Control input: HDMI 1.4
- Video scaling: None; HDMI source should be scaled to or close to the display's resolution
- Pixel pitch: 5mm or 10mm
- Maximum brightness: 4500 nits
- Minimum brightness: 450 nits
- Dimming control type: Integrated photo eye
- Number of dimming levels: 20
- Construction: Exposed glare-reducing display assembly; Display modules are rated IP65

Physical/Environmental

- NEMA rating: NEMA 3R;
All in-field modifications/conduit entry points must be properly sealed
- Temperature & Humidity: -4°F to +140°F; 0% to 99% [non-condensing]
- Face Material: 0.125" thick, tinted, matte, impact-modified acrylic
- Cabinet construction: 0.125" thick 6063-T6 aluminum alloy extruded cabinet with welded seams, stainless steel hardware and hinged face(s)
All exterior seams shall be continuous MIG welded to form a single structure
The hinged face(s) shall be attached to cabinet using a full-length extruded hinge
The cabinet face is flanged on all sides to shed water
The door closes around its flanged frame and is compressed against a closed-cell silicone gasket using lockable toolless latches
- Cabinet depth: Single-faced 6.50"
- Cabinet finish: Powder-coated black
- Cabinet interior: Conformal coated circuit board, NEMA breather drain (for atmospheric pressure equalization), sealed/closed-end fasteners used for all bolt-on mounting
- Mounting: Varies
Talk to a sales representative about options: Mounting posts, C-Channel, and more

Warranty

- 1 Year

Engineered & Assembled

- USA