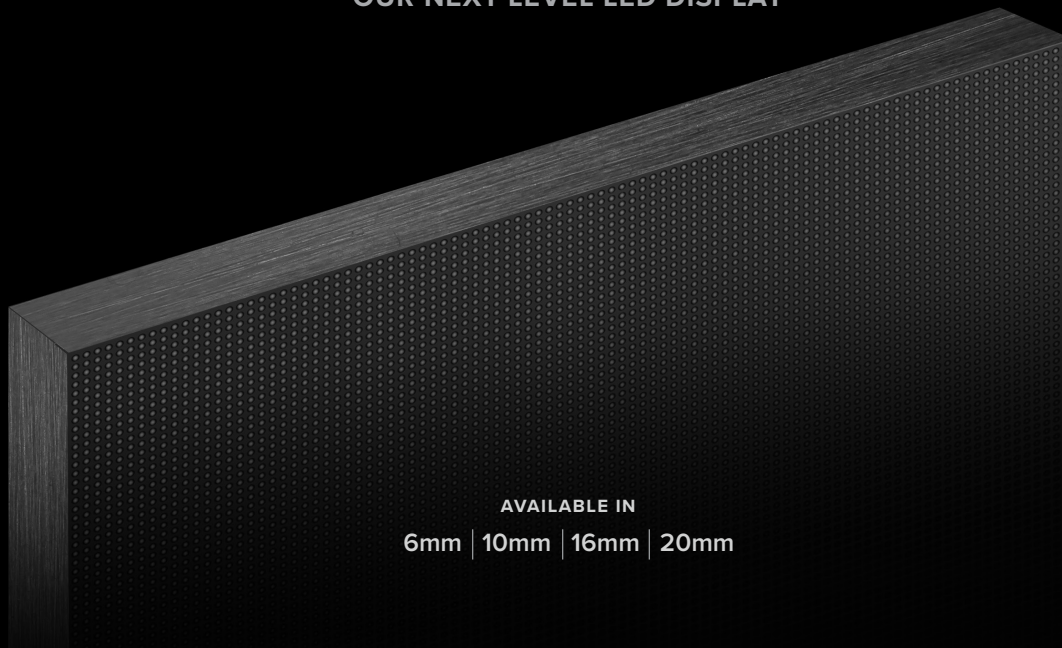# This is ONYX

## OUR NEXT-LEVEL LED DISPLAY

**AVAILABLE IN**

6mm | 10mm | 16mm | 20mm

## FEATURES

**50% MORE ENERGY EFFICIENT**

**EDGE-TO-EDGE LED TECHNOLOGY**

**25% MORE VISUAL BRIGHTNESS**

**FULLY ENCLOSED & WEATHER PROOF**

**SINGLE DATA & POWER CONNECTION**

### Elite Sign Hardware

Engineered by a sign industry veteran, Onyx is a next-level product for our commercial sign customers. Premier components are integrated into a streamlined design to deliver a reliable and energy efficient product that's easy to service and install in any application.

### Patented DALO Technology

DALO or (Downward Angle Light Optimization) gives your sign a wider viewing angle and a clearer image. By slightly angling each LED downward toward the viewer, the viewing angle and visual brightness of the sign is maximized, producing stunning visual display quality.

### Complete Cloud Control

Create, schedule, and run your digital advertising from any device. SM Infinity™ will change the way you think about sign management software. Whether you are on your PC, on the go on an iPad, or on your mobile device, you have complete sign control from anywhere, anytime.

# nextLED™

## ONYX

☀ 10,000 Nits

### RGB Technology

The workhorse of outdoor fixed installation, the face of the display is comprised of clusters of Red, Green and Blue LEDs, called pixels. The closer the pixels, the higher the resolution of the images on the sign. Reliable, rugged and bright, these outdoor signs have life expectancies in excess of 10 years.

**AVAILABLE IN 10MM, 16MM, & 20MM**

16MM RGB

6MM SMD

## ONYX SMD

☀ 6,000 Nits

### SMD Technology

High-quality 3-in-1 SMD LED displays offer incredible contrast and viewing angles and allow for higher definition displays. For customers looking to push the status quo of outdoor display applications, Onyx SMD will provide stunning visual quality and dependability.

**AVAILABLE IN 6MM & 10MM**

## ONYX | CONFIGURATION CHART

### ONYX — Front Service Commercial

SIGN PIXEL MATRIX

| 6mm │ 10mm │ 16mm │ 20mm |

| Pitch | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **6mm** | 240 | 288 | 336 | 384 | 432 | 480 | 528 | 576 | 624 | 672 |
| **10mm** | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 390 | 420 |
| **16mm** | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 |
| **20mm** | 80 | 96 | 112 | 128 | 144 | 160 | 176 | 192 | 208 | 224 |

| 6mm | 10mm | 16mm | 20mm | CABINET DIMENSIONS | 5' 3¹/₈" | 6' 3³/₄" | 7' 4³/₈" | 8' 5" | 9' 5⁵/₈" | 10' 6¹/₄" | 11' 6⁷/₈" | 12' 7¹/₂" | 13' 8¹/₈" | 14' 8³/₄" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96 | 60 | 40 | 32 | 2' 1¹/₄" | 12 ft² | 14 ft² | 16 ft² | 18 ft² | 20 ft² | 23 ft² | 25 ft² | 27 ft² | 29 ft² | 31 ft² |
| 144 | 90 | 60 | 48 | 3' 1⁷/₈" | 17 ft² | 20 ft² | 24 ft² | 27 ft² | 30 ft² | 34 ft² | 37 ft² | 40 ft² | 44 ft² | 47 ft² |
| 192 | 120 | 80 | 64 | 4' 2¹/₂" | 23 ft² | 27 ft² | 31 ft² | 36 ft² | 40 ft² | 45 ft² | 49 ft² | 54 ft² | 58 ft² | 62 ft² |
| 240 | 150 | 100 | 80 | 5' 3¹/₈" | 28 ft² | 34 ft² | 39 ft² | 45 ft² | 50 ft² | 56 ft² | 61 ft² | 67 ft² | 72 ft² | 78 ft² |
| 288 | 180 | 120 | 96 | 6' 3³/₄" | 34 ft² | 40 ft² | 47 ft² | 54 ft² | 60 ft² | 67 ft² | 74 ft² | 80 ft² | 87 ft² | 93 ft² |
| 336 | 210 | 140 | 112 | 7' 4³/₈" | 39 ft² | 47 ft² | 55 ft² | 62 ft² | 70 ft² | 78 ft² | 86 ft² | 93 ft² | 101 ft² | 109 ft² |
| 384 | 240 | 160 | 128 | 8' 5" | 45 ft² | 54 ft² | 62 ft² | 71 ft² | 80 ft² | 89 ft² | 98 ft² | 107 ft² | 116 ft² | 124 ft² |

## EXPERIENCE *THE BEST*
# WARRANTY
## *IN THE INDUSTRY*

## 5 YEARS NO WORRIES™

PARTS | LABOR | BRIGHTNESS

# ONYX TECHNICAL SPECIFICATIONS

nextLED™

| Technical Specifications | | 6mm | 10mm | 10mm | 16mm | 20mm |
|---|---|---|---|---|---|---|
| **Physical Parameters** | Pixel Configuration | 3 in1 SMD | 3 in1 SMD | 1R1G1B | 1R1G1B | 1R1G1B |
| | Pixel Pitch (mm) | 6.67 | 10 | 10.67 | 16 | 20 |
| | Pixel Matrix per Panel | 48x48 | 32x32 | 24x24 | 20x20 | 16x16 |
| | Cabinet Material | Aluminum | | | | |
| **Electronic Parameters** | Color Grayscale (Bit) | 16 | | | | |
| | Grey Scale per Color (Level) | 65536 | | | | |
| | Refresh Rate (Hz) | 2000 Minimum | | | | |
| | Frame Frequency (Hz) | 50/60 | | | | |
| **Optical Parameters** | Brightness (nit) | 6000 | 6000 | 10,000 | 10,000 | 10,000 |
| | Color Temperature (K) | 6500 - 7500K | | | | |
| | Contrast Ratio | 4500:1 | 2100:1 | 3800:1 | 3800:1 | 3800:1 |
| | Horizontal Viewing Angle (°) | 160 | | | | |
| | Vertical Viewing Angle (°) | 100 | | | | |
| **Electrical Parameters** | AC Input Voltage (V) | 100~240 | | | | |
| | AC Input Frequency (Hz) | 50/60 | | | | |
| **Environmental Parameters** | Storage Temperature (°F) | -40~+140°F | | | | |
| | Working Temperature (°F) | 14~+104°F | | | | |
| | Storage Humidity (RH) | 10%~95% | | | | |
| | Working Humidity (RH) | 10%~95% | | | | |
| | Typical Life (hrs) | 100,000 | | | | |
| **Product Install** | Panel Installation Method | Fixed Installation | | | | |