

Optec Model:

INF-MOD-8-RGB-V-S-D-QR

Display Specifications

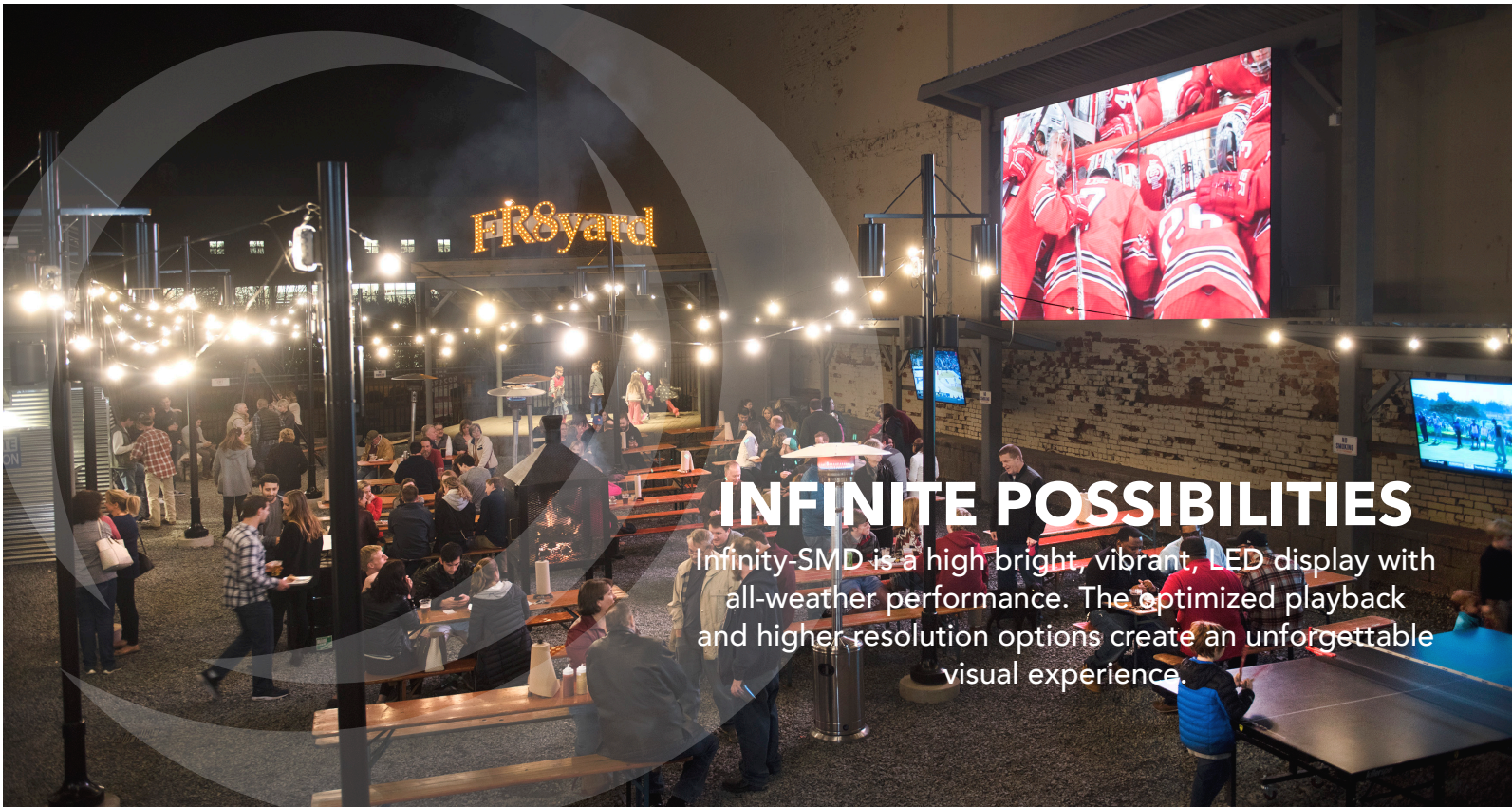
Product Line:	
LED Pixel Pitch:	8.0mm
Matrix Size:	180 x 320
Viewing Area:	4' 8 11/16" x 8' 4 13/16"
Cabinet Size:	4' 8 11/16" x 8' 4 13/16" x 6 11/16"
Color:	RGB
Color Processing:	RGB 281 Trillion Levels-M
LED's per pixel:	SMD 3-in-1
Total # of Pixels:	115200
Character Size:	2.2 Inches
# of Lines/Char. Line:	25 line(s), 53 characters
Brightness:	6000 NIT's (+/-5%)
Viewing Angle:	160 Degrees Horizontal
Display Configuration:	Double Face (2 Cabinets - Primary/Secondary)
Maintenance Door:	Front
Cabinet Design:	Module
Display Net Weight:	490.87 lbs. per face (+/- 10%)
Ventilation:	Rear Vent

Standard Features

Dimming Levels:	100 - Auto & Manual
Dimming/Temp. Sensor:	Included
Crate:	Included
Software:	ME Pro Plus
Software Upgrade:	5 Years Software Upgrades
Software Training:	Webinar

Electrical & Venting Requirements

AC Power Required:	Single Phase 120V or 240V 50/60Hz
Total Boot Up Amps* (120V):	55.7
Regular Operating Amps* (120V):	16.15
Example Electrical Cost* (120V):	US\$2.53/Day
Venting Requirement*:	1065.72 CFM



INFINITY-SMD: 6.667mm pixel pitch (10'h x 17'w)



INFINITY-SMD

OUTDOOR LED DISPLAY TECHNOLOGY



±6,500 NITS HIGH BRIGHTNESS

x13 Brighter than an LCD TV¹. View in full daylight and dimmable at night.

¹Based on LCD TV avg. 500 Nits.

3.9-10MM

PIXEL PITCH OPTIONS

Large IP65 SMD tiles, ±100,000² hours lifetime, 281 trillion colors.

²Approximate



IP65 FRONT/IP54 REAR ALL-WEATHER TESTED

UV, salt-mist, vibration, ±temperature, voltage, and x2 waterproof tested.



160° HORIZONTAL VIEWING ANGLE

View the display easily from wide angles creating greater visual impact.



DIAGNOSTIC UTILITY³

Display, power, data, tile, and pixel⁴ health alerts sent by email or online on demand.

³Additional fee. Internet service required. ⁴Optional.



OPTIMIZED VIEWING EXPERIENCE

±3840 Hz, 60 FPS smooth, full motion, camera-ready video playback.



CONNECTIVITY

Network with, Ethernet, wireless⁴, WiFi⁴, Fiber Optic⁴, or cellular⁴ technology.

⁴Optional



FRONT/REAR SERVICEABLE

Two service options allow for fast, easy maintenance.



CLOUD-BASED SOFTWARE⁵

Control, network, and diagnose displays from anywhere.

⁵Optional. Internet service required.



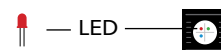
5 YEAR WARRANTY⁶

5-Year parts and in-factory labor. 10-Year parts availability.

⁶Standard warranty.

INFINITY-SMD

OUTDOOR LED DISPLAY TECHNOLOGY



SMD* Pixel
(1R-1G-1B LED in 1)
*Surface Mounted Diode

Display

Pixels (mm)	Brightness (Nits)	Tile Matrix (HxV)
3.9	5,000*	64x64
4.8	5,000*	104x104
6.667	6,500*	36x48
8	6,500*	30x40
10	6,500*	24x32

Color 281 Trillion Colors *± 5%

Viewable Angle 160° Horizontal; 100° Vertical

Contrast Enhancement Louver w/ Light Reflection Design

Dimming 100 Levels

Average LED Lifetime ±100,000* Hours *Average

Color Processing 16-Bit Grayscale

Color Temperature 6,500K (Adjustable)

Graphic & Video Support

Display Capability Video*, Graphic, Text *Live video playback available. Additional equipment required.

Video Frame Rate 60 FPS

Refresh Rate +3840 Hz (Adjustable)

Communication

Communication Ethernet, WiFi*, Wireless*, Fiber Optic*, Cellular* *Optional

Signal

Redundant Data¹, Power²

¹Independent data connections. No daisy chain effect. Dual data signals. ²Optional. For details, contact your Optec dealer or sales consultant.

Enclosure

Cabinet Design Options (See available configurations chart for details.)	Cabinet Serviceability
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Modular Rear

Modular Rear

Modular; Traditional; Front Vent* Front or Rear*

Modular; Traditional; Front Vent* Front or Rear*

Modular; Traditional; Front Vent* Front or Rear*

Cabinet Construction Aluminum *Optional

Cabinet Ventilation Front* or Rear

*Optional. Select sizes (see cabinet design options above). Maximum 7ft. high cabinet size.

Waterproofing (Front/Rear) IP65/IP54

Manufacturing Quality Standard ISO 9001

Electrical & Operating Requirements

AC Power 110/208/240VAC 60Hz.

Operating Temp. / Humidity ± -20°~140°F / ±10~90%

Diagnostics*

Remote / Email Display, Power, Data, Tile, Pixel**

**Additional fee. Internet service required. *Optional.

Software

PC / Cloud-Based M.E. Pro Plus; CNET 1.0*; DNET 3.0*

*Optional

Limited Warranty & Service

Warranty 5-Year Parts & In-Factory Labor*

*Standard warranty.

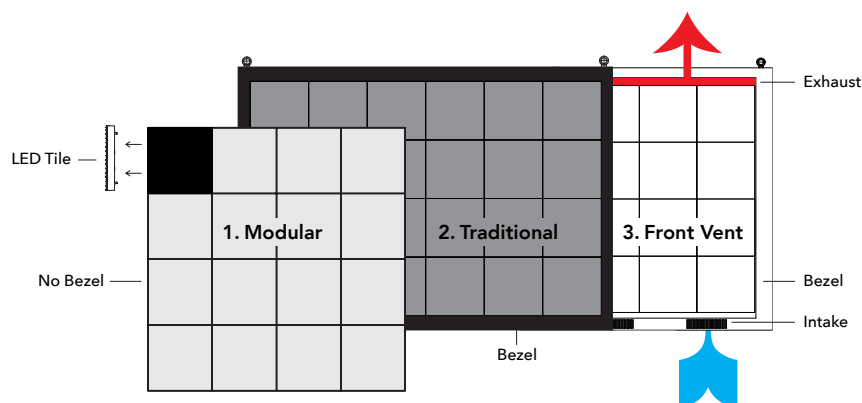
Certifications

Hardware

*FCC Part 15 - Class A compliant. For certification details, contact your Optec dealer or sales consultant.

3 CABINET DESIGNS

INF-SMD features three cabinet designs. Our modular (1.) outdoor products feature more pixels (higher resolution) than the traditional (2.) bezeled cabinets. They also allow for greater flexibility and larger scale design possibilities. Finally, the front vent (3.) cabinet is engineered for select outdoor installations with rear ventilation limitations.

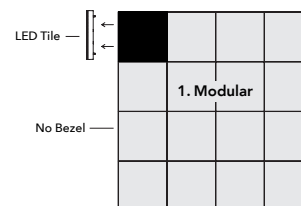


INFINITY-SMD

OUTDOOR LED DISPLAY TECHNOLOGY

Available Modular Configurations

Modular cabinets are combined like "Lego" blocks to form a complete sign. The cabinets ship ready to install and feature continuous angle iron built to specification.



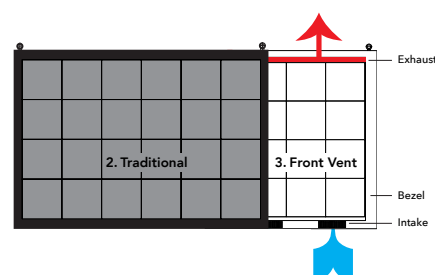
Display					Enclosure				
Pixels (mm)	Brightness (Nits)	Tile Matrix (HxW)	Module Resolution Pixels (HxW)		Cabinet Size (Inch) (HxW)		Cabinet Depth (Inch) (D)	Cabinet Weight (lbs)	Cabinet Power Max. (Watt)
3.9'	5,000*	64x64	128	128	19.68	19.68	3.28	25*	198
4.8'	5,000*	104x104	104	104	19.68	19.68	3.28	25*	230
6.667	6,500*	36x48	108	144	28.35	37.80	6.7	79*	635
			108	192	28.35	50.40		105*	837
			144	144	37.80	37.80		140*	1106
			144	192	37.80	50.40		130*	1038
			180	144	47.24	37.80		174*	1404
			180	192	47.24	50.40			
8	6,500*	30x40	90	120	28.35	37.80	6.7	79*	635
			90	160	28.35	50.40		105*	837
			120	120	37.80	37.80		140*	1106
			120	160	37.80	50.40		130*	1038
			150	120	47.24	37.80		174*	1404
			150	160	47.24	50.40			
10	6,500*	24x32	72	96	28.35	37.80	6.7	79*	635
			72	128	28.35	50.40		105*	837
			96	96	37.80	37.80		140*	1106
			96	128	37.80	50.40		130*	1038
			120	96	47.24	37.80		174*	1404
			120	128	47.24	50.40			

*Custom. Modular design only. For details, contact your Optec dealer or sales consultant. *± 5%

*±10%

Available Traditional & Front Vent* Configurations

Traditional and Front Vent (FV)* cabinets are built to specification. For cabinet size, weight, and total resolution, please contact your Optec dealer or sales consultant.



Display				Enclosure		
Pixels (mm)	Brightness (Nits)	Tile Matrix (HxW)		Cabinet Size/Weight (Inch) (lbs)	Cabinet Depth (Inch) (D)	Power Max. (Watt)
6.667	6,500*	36x48		Custom	7.87	0.04
8	6,500*	30x40		Custom	7.87	0.059
10	6,500*	24x32		Custom	7.87	0.091

*± 5%

*Maximum 7ft. high cabinet size.



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COMMUNITY OUTREACH

Optec LED displays inform and enrich the communities and facilities they serve.

Increase visibility, communicate to, and enhance communities with spectacular LED displays.



INFINITY-RGB: 16mm pixel pitch (2'-7 1/2" x 11'-9 3/4")



LED DISPLAY TECHNOLOGY

Government and public works agencies highly value LED displays for their ability to clearly communicate messages to their communities. Optec's wide range of outdoor LED displays offer a combination of exceptional image quality and straightforward usability.

Our outdoor LED displays combine Optec's optimized graphic and video processing capabilities with superior LED brightness and resolution to add outstanding clarity and depth to displayed content — all within an all-weather tested, easy-to-service cabinet design.

In addition to our cutting-edge display technology, Optec's dynamic software solutions, content creation services, and U.S. based Care team work to provide exceptional customer experiences. Our LED displays give communities increased visibility and lasting value through our innovative products, services, and support.



PREMIER VISUAL EXPERIENCE

Optec selects only the finest LEDs to ensure the highest visual performance, uniform brightness, color, and energy efficiency.



DESIGNED TO WOW BUILT TO LAST

We believe in creating the most reliable, straightforward, and efficient LED display products to fit your unique design and technical specifications.



EASE OF USE

Optec develops intuitive software designed to enable users to deliver engaging content experiences via desktop or cloud.



SUPPORT

Optec is here to help. With North American sales consultants and U.S. based technical advisors, we offer installation and training support via phone, online, or in person.



INFINITY-RGB: 20mm pixel pitch (4'-6" x 7'-7")



IMPACT-RGB: 12mm pixel pitch (3'-5" x 8')



INFINITY-RGB: 16mm pixel pitch (2'-6" x 19'-3")

Clear Communication Drives Results

Increase visibility and communicate clearly to the community around you. Attract, direct, and drive noticeable results with Optec's comprehensive range of innovative LED display solutions for government and public works projects.

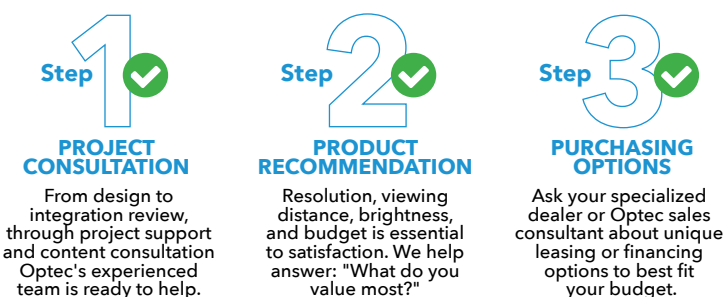
Optec LED displays are ideal for:

- Local & State Government Projects
- Public Works Projects
- Parks & Recreation Centers
- Libraries & Community Centers
- Educational Institutions
- Transportation Hubs
- Parking Facilities
- City Centers
- Entertainment Districts

Decisions are made together, with confidence.

Optec's specialized dealers and sales consultants are experts at addressing the technical factors that go into specifying the right LED solution. They will guide you through the process and will assist you in selecting your display with confidence.

Once you've decided to purchase an Optec display for your community, the buying process is simple:



Put Optec's innovative LED display solutions to work for you. Contact your Optec dealer or sales consultant for more information.



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