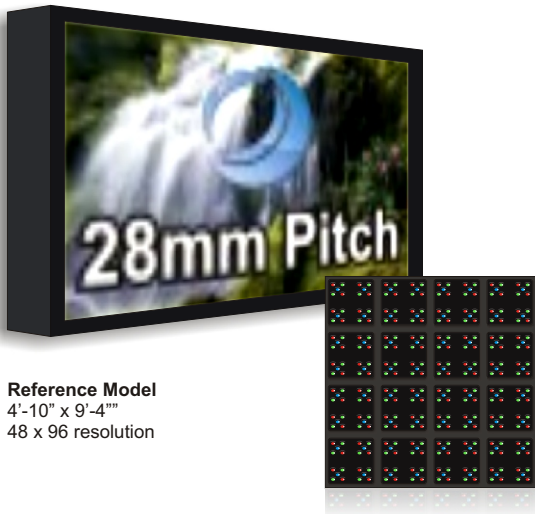


# Infinity 28mm RGB Video Display



Reference Model  
 4'-10" x 9'-4"  
 48 x 96 resolution

Optec's premier Infinity video displays offer the ultimate in outdoor LED display performance. Superior video processing delivers lifelike 3D quality images, crystal clear resolution and brilliant, vibrant colors. Rugged IP65 rated aluminum enclosures provide solid protection against environmental contaminants and harsh weather conditions.

The Infinity 28mm RGB display is designed for larger screens at longer viewing distances and is capable of HD quality video and brilliant color, even in direct sunlight. Suitable for outdoor advertising, entertainment, sports or commercial applications.

Advanced options such as redundant data signals, self-diagnostics system, backup power supplies and pixel level screen calibration are available.

## Specifications

Color Processing Capability.....	16 bit, 281 trillion colors
Viewability.....	140 degrees horizontal
Graphic Capability.....	Text, animation, pictures and video
Live Video Formats.....	Composite, S-Video (optional upgrade)
Control Software.....	Media Editor Package
Display Dimming.....	100 levels
Scan Rate.....	300+Hz (Variable)
Contrast Ratio.....	1,000:1
Frame Rate.....	60 frames per second
Power.....	120 / 240 AC, single phase
Average LED Life.....	100,000 hrs
Service Access.....	Front (standard) or rear (optional)
Cabinet Construction.....	Aluminum (Corrosion Resistant)
Weatherproofing (Front/Rear).....	IP65 / IP54
Contrast Enhancement.....	LED louvers
Manufacturing Quality Standard....	ISO 9001
UL Listed.....	ETL / UL48
Product Warranty.....	5 year parts & factory labor

## Optec Advantages

- ✦ **Windows PC controller for optimal video performance**
- ✦ **Super bright LEDs bin selected for consistency in wavelength and brightness**
- ✦ **Waterproof IP65 rated corrosion resistant aluminum enclosures**
- ✦ **Automatic brightness adjustment for optimum visibility and efficiency**
- ✦ **ISO:9001 manufacturing quality standards**
- ✦ **Easy to use control software**
- ✦ **5 Year warranty standard**

## Model INF-28-RGB (28mm Pitch)



### Model Specifications

Physical Pitch	28mm
LEDs / Pixel	(5) 2R-2G-1B
LED Density	6,376 LEDs/M <sup>2</sup>
Calibrated Brightness	9,500 NITs
Module Matrix	8(h) x 8(w)
Max.Watts / Pixel	0.569w
Min Character Height	7.7"

### Communications

- Wireless Ethernet
- Ethernet
- Fiber Optic
- Power Line Communications
- Broadband Internet
- Live Video Feed (optional)

Minimum Viewing Distance = 56'

Diode Density - 592 LEDs / sq. ft.

Media Editor Software Suite



<b>Cabinet Width (ft.)</b>	6.3	7.1	7.8	8.6	9.3	10.0	10.8	11.5	12.2	13.0	13.7	14.4	15.2	15.9	16.6	17.4	18.1	18.8	19.6	20.3	21.0	21.8
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<b>Pixel Width</b>	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232
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Cabinet Height (ft.)	Pixel Height	Matrix / Dimension Calculator	
4.9	48	<p>Use this chart to convert display dimensions (cabinet height &amp; width) to pixel matrix values.</p>	
5.6	56		
6.3	64		
7.1	72		
7.8	80		
8.6	88		
9.3	96		
10.0	104		
10.8	112		Example : 10.8' x 14.4' = 112 x 144 Matrix
11.5	120		<p>Watts / Pixel = 0.569</p> <p>Calculating watts per face = Pixel height x pixel width x watts per pixel (For the display example above - 112 x 144 x 0.569 = 9,176.83 max. watts per face)</p>
12.2	128		
13.0	136		
13.7	144		
14.4	152		
15.2	160		
15.9	168		
16.6	176		
17.4	184		
18.1	192		
18.8	200		
19.6	208		
20.3	216		

\* All product specifications subject to change without notice.