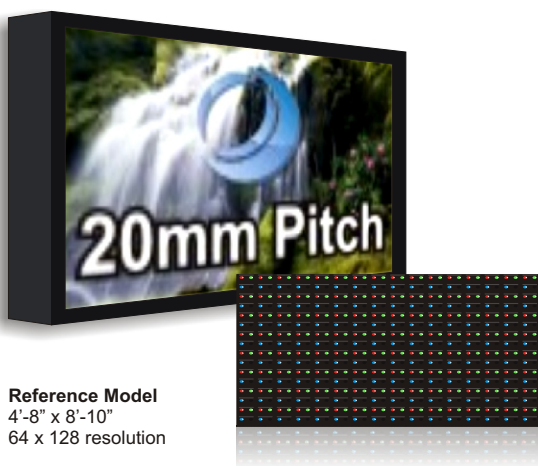


# Infinity 20mm RGB Video Display



Reference Model  
 4'-8" x 8'-10"  
 64 x 128 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.

One of our most popular models, the versatile Infinity 20mm RGB display offers high performance at an affordable price. Suitable for digital billboards, entertainment, sports and 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-20-RGB (20mm Pitch)



### Model Configurations

Physical Pitch	20mm
LEDs / Pixel	(3) 1R-1G-1B
LED Density	7,500 LEDs/M <sup>2</sup>
Calibrated Brightness	9,600 NITs
Module Matrix	8(h) x 16(w)
Max.Watts / Pixel	0.365w
Minimum Character Height	5.5"

### Communications

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

Minimum Viewing Distance = 40'

Diode Density - 697 LEDs / sq. ft.

Media Editor Software Suite



Cabinet Width (ft.)	4.7	5.2	5.7	6.2	6.8	7.3	7.8	8.3	8.9	9.4	9.9	10.4	11.0	11.5	12.0	12.5	13.1	13.6	14.1	14.6	15.2	15.7
Pixel Width	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232
Cabinet Height (ft.)	Pixel Height	Matrix / Dimension Calculator																				
3.6	48	Use this chart to convert display dimensions (cabinet height & width) to pixel matrix values.																				
4.1	56																					
4.7	64																					
5.2	72																					
5.7	80																					
6.2	88																					
6.8	96																					
7.3	104	Example : 7.8' x 9.9' = 112 x 144 Matrix																				
7.8	112																					
8.3	120	Watts / Pixel = 0.365																				
8.9	128																					
9.4	136	Calculating watts per face = Pixel height x pixel width x watts per pixel (For the display example above - 112 x 144 x 0.365 = 5,886.72 max. watts per face)																				
9.9	144																					
10.4	152																					
11.0	160																					
11.5	168																					
12.0	176																					
12.5	184																					
13.1	192																					
13.6	200																					
14.1	208																					
14.6	216																					

\* All product specifications subject to change without notice.