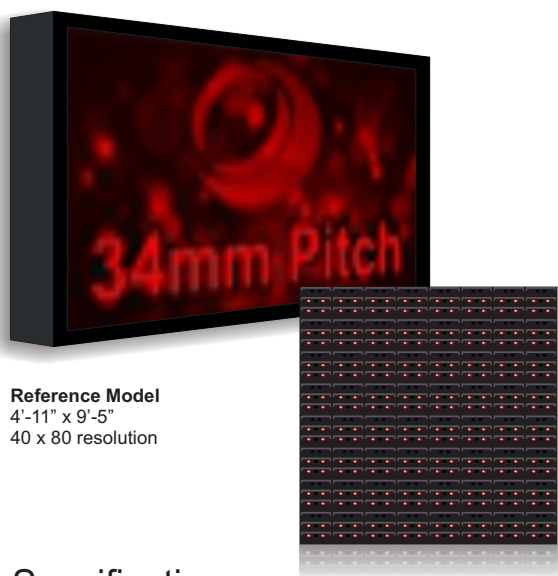


# Impact GV 34mm Grayscale Video Display



Reference Model  
 4'-11" x 9'-5"  
 40 x 80 resolution

The Impact GV 34mm display provides full featured video display capabilities housed in a rugged outdoor durable aluminum cabinet, designed to provide years of trouble free service. The GV series is controlled by Optec's new ViViD software package that supports common video formats such as AVI, MPEG, MP4, FLV and more into a simple, easy to program interface.

Designed for longer viewing distances, the Impact GV 34mm display is capable of smooth video and brilliant graphics, even in direct sunlight. Suitable for commercial and institutional applications.

## Specifications

|                                     |   |
|-------------------------------------|---|
| Display Data Processing.....        | 16 bit                                  |
| Color Processing.....               | 8 bits                                  |
| Color Palette.....                  | 256 shades (grayscale)                  |
| Standard Colors.....                | Red / Amber                             |
| Viewability.....                    | 120 degrees horizontal                  |
| Graphic Capability.....             | Text, animations & video                |
| Control Software.....               | ViViD software suite                    |
| Display Dimming.....                | 100 levels                              |
| Video Frame Rate.....               | 30 frames per second                    |
| Video Processing Speed.....         | 633 MHz                                 |
| Voltage.....                        | 110 / 220 AC, 50 / 60Hz                 |
| Average LED Life.....               | 100,000 hrs                             |
| Service Access.....                 | Front hinged with gas struts            |
| Cabinet Construction.....           | Extruded aluminum (corrosion resistant) |
| Weatherproofing (Front/Rear).....   | IP65 / IP54                             |
| Manufacturing Quality Standard..... | ISO 9001                                |
| UL Listed.....                      | ETL / UL48                              |
| Product Warranty.....               | 5 year parts & factory labor            |

## Optec Advantages

- ✦ **Embedded Linux controller for stability and reliable 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**

\* All product specifications are subject to change without notice





## Model GV-34-R/Y-G (34mm Pitch)



### Model Specifications

|                                 |   |
|---------------------------------|---|
| Physical Pitch                  | 34mm                                    |
| LEDs / Pixel                    | 4(R) / 6(A)                             |
| LED Density                     | 3,460(R) / 5,190(A) LEDs/M <sup>2</sup> |
| Brightness                      | 5,000 NITs Min.                         |
| Module Matrix                   | 8(h) x 8(w)                             |
| Boot-Up Watts / Pixel           | 0.358w                                  |
| Regular Operating Watts / Pixel | 0.161w                                  |
| Min Character Height            | 9.4"                                    |
| Maximum Pixel Matrix            | 40h x 88w                               |

### Communications

-  Wireless Ethernet
-  Ethernet
-  Fiber Optic
-  Broadband Internet

Minimum Viewing Distance = 68'

ViViD Software Suite

Diode Density - 482 LEDs / sq. ft.



| Cabinet Width (ft.)  |              | 7.6  | 8.5 | 9.4 | 10.3 |
|----------------------|--------------|--|-----|-----|------|
| Pixel Width          |              | 64   | 72  | 80  | 88   |
| Cabinet Height (ft.) | Pixel Height | <p><b>Matrix / Dimension Calculator</b></p> <p>Use this chart to convert display dimensions (cabinet height &amp; width) to pixel matrix values.</p> <p>Example : 4.9' x 10.3' = 40 x 88 Matrix</p> <p>Operating Watts / Pixel = 0.161w</p> <p>Calculating watts per face = Pixel height x pixel width x watts per pixel<br/>(For the display example above - 40 x 88 x 0.161 = 566.72 watts per face)</p> |     |     |      |
|                      | 4.0          |  |     |     |      |
| 4.9                  | 40           |  |     |     |      |

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