

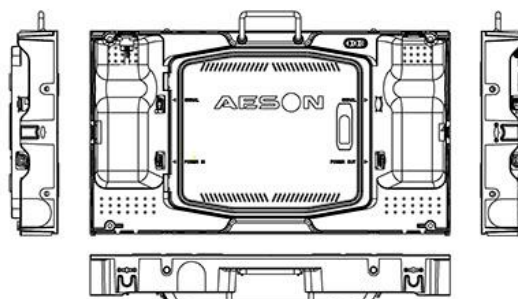
# product specification



## RHODIUM SERIES

Indoor P4 • 16:9 aspect ratio

flown • ground Stacked • wall mounted LED display system



### Overview

Every cabinet in Vanguard's Rhodium Series has a native aspect ration of 16:9. If cabinets are arrayed with equal cabinet height & width (i.e. 10x10 or 8x8), the entire display will retain a 16:9 viewing aspect ratio. Rhodium is available in pixel pitches of P2.85, P3.3, P4 & P5.

Rhodium can be serviced 100% from either the front or rear of the cabinet. Cabinets can utilize external jumpers from cabinet to cabinet. Alternatively, the cabinets may be completely internally cabled for a cleaner look. Rhodium cabinets can be wall mounted, flown or ground stacked. Quick Locks provide easy installation. Pre-threaded mounting location make installation simple. Magnetic LED modules make module replacement quick & easy.

### Additional Features

- Fan-less design
- Low Power Consumption
- Designed for maximum heat dissipation
- Pixel to Pixel color calibration for brightness and color uniformity
- Included seam brightness compensation
- High gray scale & high refresh rate
- Flicker free for broadcast applications
- Black LED's for high contrast ratios and sharp image quality
- Low profile mask offers very wide viewing angles
- 16-bit color processing technology
- Superb color & brightness uniformity

# Rhodium Technical Specifications

## Specifications

### Rhodium Indoor P4

#### LED

<u>LED Type</u>	<u>SMD2121 Black</u>
<u>LED Configuration</u>	<u>3 in one</u>
<u>Pixel Density</u>	<u>62,600/m<sup>2</sup></u>
<u>Module Size</u>	<u>12.6" x 7.35"</u>
<u>Module Resolution</u>	<u>80x45</u>
<u>Modules Per Cabinet</u>	<u>4</u>
<u>Lifetime to Half Brightness (L50)</u>	<u>100,000</u>
<u>Contrast Ratio</u>	<u>2,000:1</u>
<u>Brightness</u>	<u>800Nits</u>
<u>Viewing Angle</u>	<u>140° x 140°</u>
<u>Minimum Viewing Distance</u>	<u>13.2 ft.</u>

#### CABINET

<u>Cabinet Material</u>	<u>Die Cast Aluminum</u>
<u>Cabinet Size</u>	<u>25.2" x 14.7"</u>
<u>Cabinet Resolution</u>	<u>160 x 90</u>
<u>Modules Per Cabinet</u>	<u>4</u>
<u>Cabinet Weight</u>	<u>19.1lbs.</u>
<u>Service Access</u>	<u>Front or Rear</u>
<u>IP Rating</u>	<u>IP31</u>

#### INTERNAL OPERATION

<u>Driving Method</u>	<u>1/15<sup>th</sup> Scanning</u>
<u>Gray Scale</u>	<u>14 – 18 bit</u>
<u>IC Driver</u>	<u>MB15153 or Chipone 2053</u>
<u>Refresh Rate</u>	<u>&gt;2880Hz</u>
<u>Frame Frequency</u>	<u>60Hz</u>

#### AC POWER

<u>Source Voltage</u>	<u>100-240V, 50/60Hz</u>
<u>Max Power Consumption</u>	<u>200W</u>
<u>Avg. Power Consumption</u>	<u>100W</u>

#### ENVIRONMENTAL

<u>Operating Temperature</u>	<u>-10°C to +50°C</u>
<u>Storage Temperature</u>	<u>-20°C to +60°C</u>
<u>Operating Humidity</u>	<u>20% to 90% RH</u>

#### EXTERNAL CONNECTIONS

<u>Data in / out</u>	<u>RJ45</u>
<u>AC Power in / out</u>	<u>PowerCon</u>

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