

product specification



TUNGSTEN SERIES

Indoor P2.5 • rental & production staging



Overview

Vanguard's Tungsten cabinet available in P2.5, features a virtually indestructible LED surface. Edge corner protectors and raised modules yield additional protection. Tungsten is the rental cabinet that the industry has been waiting for as it can withstand the rigors of the rental business. The cabinet is front or rear serviceable and has a die-cast aluminum frame. The power supply module can easily be swapped as a single unit by detaching 4 clips, pulling the PSU and replacing it with a new one. Comfortable and sturdy handles allow for easy construction of a display. LED modules can be removed using a glass suction cup tool. The Tungsten modules are covered with a substance that makes the module impervious to impact. The 8 point integral locking system enables fast assembly as well as precise alignment.

Additional Features

- High Quality Nova Receiving Cards
- Resin encased LED modules mean SIGNIFICANTLY less chance of damage to LED modules
- Fold-over edge protectors for keeping cabinet corners protected during set-up and tear down.
- Low Power Consumption
- 14-bit gray scale
- Flicker free for broadcast applications
- Superb color & brightness uniformity
- Refresh rates up to 2880Hz
- Contrast Ratio: 3000:1

Specifications

Tungsten Indoor P2.5

LED

<u>LED Type</u>	<u>SMD1R1G1B</u>
<u>LED Configuration</u>	<u>3 in one</u>
<u>Pixel Density</u>	<u>160,000/m²</u>
<u>Module Size</u>	<u>9.84" x 9.84"</u>
<u>Module Resolution</u>	<u>100 x 100</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>3,000:1</u>
<u>Brightness</u>	<u>800Nits</u>
<u>Viewing Angle</u>	<u>140°</u>

CABINET

<u>Cabinet Material</u>	<u>Die Cast Aluminum</u>
<u>Cabinet Size</u>	<u>19.8" x 19.8"</u>
<u>Cabinet Resolution</u>	<u>200 x 200</u>
<u>Min. Viewing Distance</u>	<u>8.25 ft.</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>IP30</u>

INTERNAL OPERATION

<u>Driving Method</u>	<u>1/15th Scanning</u>
<u>Gray Scale</u>	<u>14bit</u>
<u>IC Driver</u>	<u>Chipone 2053</u>
<u>Refresh Rate</u>	<u>>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>

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