

Invisible curtain with a high resolution and vibrant display

Houdini

Invisible curtain

pitch	2.5	3.9	6.3
pixel tech	SMD	SMD	SMD

ideal for

Transparent hanging or window-mounted displays

summary

Vanguard's Houdini represents the next-generation of transparent LED display. With pitches from **2.5 up to 6.3mm**, Houdini is suitable for viewers near and far. Each pixel contains its own driver so there is no scan rate and no refresh rate!

Featuring a soft and flexible **fiberglass PCB**, Houdini panels can be hung or adhered to either side of glass. With up to **90% rated transparency** and no rear supporting structure, Houdini is nearly invisible from behind and allows clear visibility through the display.

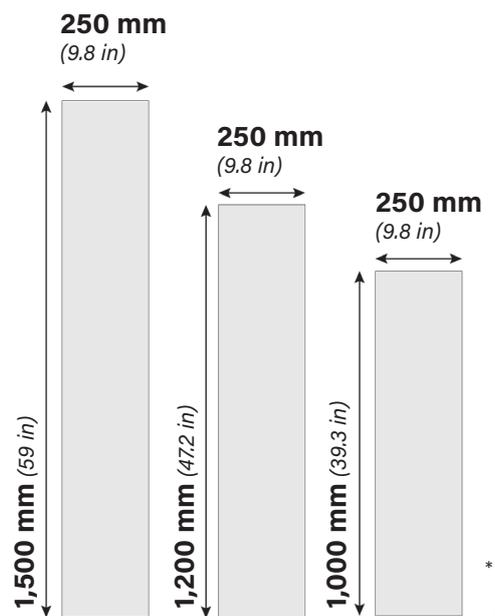
Panels can interlock using **invisible splicing** and can be **trimmed to exact size** and so displays can be configured to completely fill almost any size space. With up to **5000 nit maximum brightness**, Houdini is ideal for exterior facing windows.

optional

- Vertical or horizontal mounting
- Rear adhesive (for front of glass mounting)
- Front adhesive (for behind glass mounting)

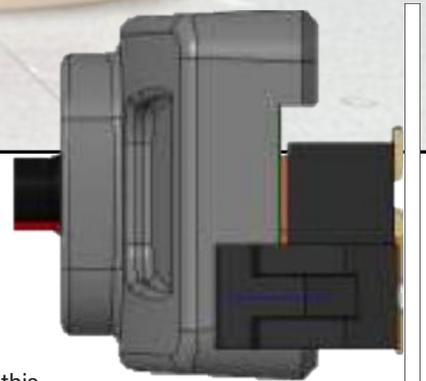


dimensions



max brightness
5,000 nits

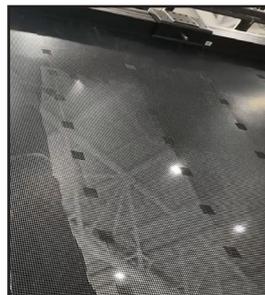
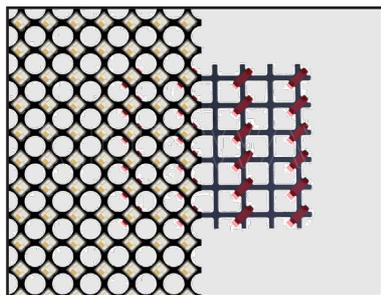
IP rating
IP20



hanging

Houdini can be hung and displayed without being mounted to glass. In this application air can pass freely through the display.

Configure a visually stunning open-air display with all the richness of a standard LED display. When configured for hanging, displays can either be a maximum of 3 meters wide or 3 meters tall with no structure of any kind behind the pixels.!



Houdini panels are spliced together using a special connection piece which does not interfere with the transparency of the display. When installed, the splices are nearly invisible, unless viewed from behind the display and only at certain angles.





behind glass

Houdini modules can be directly adhered to the back side of the glass, with the LEDs shining through the glass.

This application is ideal for retail applications where the display is physically inside the store while the display is only visible from outside.

With a maximum brightness of 5000 Nits (6.3mm), Houdini works well for exterior-facing windows.

The film adhesion to the glass is not permanent. If module repair is needed, individual modules can be removed, serviced, and re-installed.

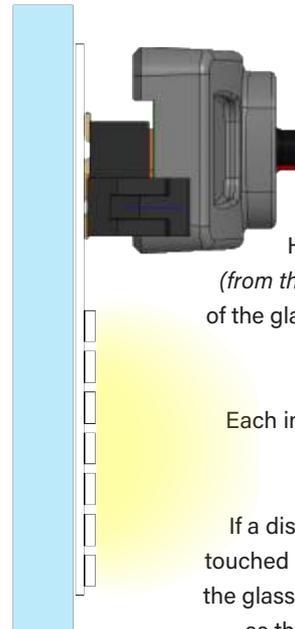


in front of glass

Houdini modules can also be adhered (from the rear of the module) to the front side of the glass, having the LEDs shine away from the glass.

Each individual Houdini model has a unique transparency level.

If a display cannot be directly accessed and touched by the public, installing on the face of the glass produces wider clear viewing angles as the audience is not looking through the depth of the glass to see the image.



The above image shows Houdini mounted behind glass (LEFT) and in front of glass (RIGHT).

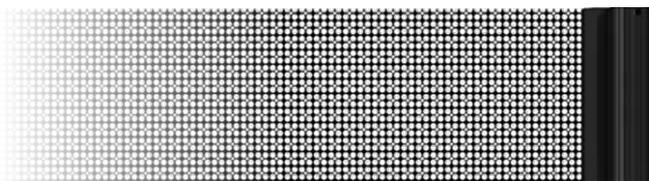
panel configurations

	2.5mm	3.9mm	6.3mm
transparency	70%	80%	90%
max brightness	1200 Nits	3000 Nits	5000 Nits
width	125 mm	250 mm	250 mm
height	1000 mm	1000 mm	1175 mm

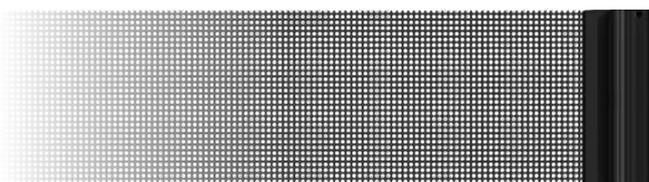
general specifications

LED half-life*	100,000 Hours
refresh rate	No refresh rate, static drive integrated IC
frame rate	50, 60, 120 Hz
color temperature	6,500K default (3,000 - 9,000 K range)
processing depth	Up to 16 Bit
scan rate	No scan rate, static drive integrated IC
temperatures	-20°C - +50°C operating
operating humidity	20% - 85% RH, non-condensing
maximum watts	1,000 W / <u>SqM</u>
operating voltage	100-240V AC, 50/60 Hz
maximum heat	3,410 BTU/hr / <u>SqM</u>
ip rating	IP20
service access	Front and rear
warranty	5-year default (up to 7-year available)
certifications	EMC, ISO, CCC, ICC, CB, FCC, CE, ETL, RoHS

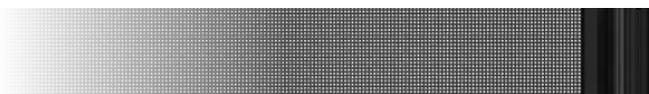
6.3mm



3.9mm



2.5mm



Houdini panels can be cut to the exact length to perfectly fit most applications.

supported controllers

