

# M Series: Surface-Mounted – M6 Module

REV. 1.0 2024-01-10

Introducing the Holoscape Surface-Mounted M6 Module, an integral part of the innovative 'M' Series, specifically designed to cater to diverse indoor settings where larger, bolder content displays are required. The M6 Module is a significant advancement in transparent LED display technology, combining exceptional display quality with a discreet presence.

The Holoscape M6 Module, with its combination of large-scale display capabilities and high transparency, is an exemplary solution for spaces requiring impactful and dynamic content displays while maintaining an unobtrusive design aesthetic. It's particularly suited for venues like shopping malls, large retail spaces, gas stations, and other public areas where engaging displays at a medium distance are in play.

## Key Features:

- **Pixel Pitch:** 6.25 mm, making it ideal for larger-scale content displays where broader visibility is key, without compromising on clarity.
- **Pixel Density:** 25,600 pixels/m<sup>2</sup> (2,378 pixels/ft<sup>2</sup>), ensuring that even with its larger pixel pitch, the content remains vibrant and engaging.
- **Apparent Transparency:** 90% transparency, the M6 Module offers near invisibility when not in use, allowing for an unobstructed view and natural light in indoor environments.
- **Black pixels:**  $\geq 3000$  cd/m<sup>2</sup> (278.71 cd/ft<sup>2</sup>)
- **White pixels:**  $\geq 5000$  cd/m<sup>2</sup> (464.51 cd/ft<sup>2</sup>)
- **Energy Efficiency:** 1000 W/m<sup>2</sup> (92.90 W/ft<sup>2</sup>)
- **Durability and Longevity:** Designed for lasting performance, the M6 Module has a lifespan of over 100,000 hours and comes with an IP20 protection rating, ensuring reliability for indoor use.
- **Control System Compatibility:** Compatible with Colorlight or Novastar control systems, offering flexibility in content management.
- **Environmental Adaptability:** The module operates effectively in indoor conditions, with a working temperature range of -20°C to 50°C and humidity tolerance up to 85% RH.
- **Versatile Installation Options:** Flexible installation options, including hangable, adhesive-backed for inward-facing or outward-facing window displays. This versatility makes it ideal for various indoor architectural and design applications.

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<b>Pixel Pitch (horizontal and vertical)</b>	6.25 mm
<b>Pixel Density (pixels per area)</b>	25,600/m <sup>2</sup> (2,378/ft <sup>2</sup> )
<b>Apparent Transparency</b>	90%
<b>Module Display Dimensions (width x height)</b>	M6-S: 250 mm x 1175 mm (9.84" x 46.26") M6-L: 250 mm x 1475 mm (9.84" x 58.07")
<b>Module Profile Dimensions (width x height)</b>	M6-S: 250 mm x 1200 mm (9.84" x 47.24") M6-L: 250 mm x 1500 mm (9.84" x 59.05")
<b>Resolution (pixel count width x height)</b>	M6-S: 40 pixels x 188 pixels M6-L: 40 pixels x 236 pixels
<b>Weight (Module and electronics)</b>	1.6 kg (3.53 lb)
<b>Brightness (in candelas per meter [nits])</b>	Black pixels: ≥3000 cd/m <sup>2</sup> (278.71 cd/ft <sup>2</sup> ) White pixels: ≥5000 cd/m <sup>2</sup> (464.51 cd/ft <sup>2</sup> )
<b>Scanning Mode</b>	Static Driving (single pixel, single control)
<b>Encapsulation Type</b>	Light Board & Driving Board Integrated
<b>LED Lifespan</b>	≥ 100,000 hours
<b>Pixel Grayscale Depth</b>	16 bit
<b>Maximum Power Consumption (in watts)</b>	1000 W/m <sup>2</sup> (92.90 W/ft <sup>2</sup> )
<b>Average Power Consumption (in watts)</b>	375 W/m <sup>2</sup> (34.84 W/ft <sup>2</sup> )
<b>Control System</b>	Colorlight or Novastar
<b>Input Voltage</b>	AC100V~240V 50/60Hz
<b>Working Voltage</b>	DC4.2V ±0.2V
<b>Working Temperature</b>	-20°C to 50°C
<b>Working Humidity (without condensation)</b>	Up to 85% RH
<b>Storage Temperature</b>	-20°C to 60°C
<b>Storage Humidity (without condensation)</b>	Up to 85% RH
<b>Protection Degree</b>	IP20
<b>Installation Environment</b>	Indoor

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The parameters in the table are subject to updates, and the data is for reference only. Updates will be made without notice.

## Option considerations:

Length: The M6 Module is available in two lengths: the M6-S and the M6-L.

Pixel: "*White pixels*" are brighter and intended for installations that will compete with bright light sources, such as sunlight. "*Black pixels*" are intended for indoor display.

Adhesive Orientation: Modules can be mounted in two ways: (1) with the adhesive on the backing for display inwards from the window, or (2) with the adhesive on the LEDs for display outwards through a window.

## Module Orientation Notes:

Width and height dimensions represent an installation orientation where electronics are at the top and/or bottom. This orientation allows for an unlimited length for the installation's width dimension.

Surface-mounted modules may be mounted 90° to this orientation, where electronics are on the sides. This orientation allows for an unlimited length for the installation's height dimension.