

M Series: Surface-Mounted – M10 Module

REV. 1.0 2024-01-10

Introducing the Holoscape M10 Module, the latest evolution in the 'M' Series, crafted for indoor settings that demand the utmost in transparency and large-scale content display capabilities.

Ideal for grand indoor environments like malls, airports, stadiums, exhibition centers, and expansive lobbies, the Holoscape M10 Module excels in delivering striking and dynamic content displays where resolution is achieved from a distance. Its design focuses on maximizing transparency and scale, key elements that elevate the aesthetic appeal and viewer engagement in such vast spaces. This module is not just a display solution; it's an enhancement to the overall ambiance and experience of any large indoor setting.

Key Features:

- **Pixel Pitch:** 10 mm, the M10 is ideal for large format content displays, providing clear and impactful displays even from a distance.
- **Pixel Density:** 10,000 pixels/m² (929 pixels/ft²), ensuring that content is displayed vividly and attractively for larger viewing areas.
- **Apparent Transparency:** 95% transparency, making it almost invisible when not in use and allowing for natural light and visibility through the installation area.
- **Module Display Dimensions:** Standard size of 250 mm x 1000 mm (9.84" x 39.37"), making it versatile for various indoor applications.
- **Brightness:** ≥4000 cd/m² (371.61 cd/ft²), ensuring that the content is visible and vibrant, even in brightly lit indoor conditions.
- **Energy Efficiency:** 1000 W/m² (92.90 W/ft²)
- **Durability and Longevity:** With an LED lifespan of over 100,000 hours and an IP20 protection rating, the M10 is built for long-term, dependable indoor use.
- **Control System Compatibility:** Compatible with Colorlight or Novastar control systems, it offers user-friendly content management and flexibility.
- **Environmental Adaptability:** Designed to operate effectively in indoor conditions, with a working temperature range of -20°C to 50°C and humidity tolerance up to 85% RH.

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Pixel Pitch (horizontal and vertical)	10 mm
Pixel Density (pixels per area)	10,000/m ² (929/ft ²)
Apparent Transparency	95%
Module Display Dimensions (width x height)	250 mm x 1000 mm (9.84" x 39.37")
Module Profile Dimensions (width x height)	250 mm x 1000 mm (9.84" x 39.37")
Resolution (pixel count width x height)	25 pixels x 120 pixels
Weight (Module and electronics)	1.2 kg (2.65 lb)
Brightness (in candelas per meter [nits])	≥4000 cd/m ² (371.61 cd/ft ²)
Scanning Mode	Static Driving (single pixel, single control)
Encapsulation Type	Light Board & Driving Board Integrated
Pixel Lifespan	≥ 100,000 hours
Pixel Grayscale Depth	16 bit
Maximum Power Consumption (in watts)	1000 W/m ² (92.90 W/ft ²)
Average Power Consumption (in watts)	375 W/m ² (34.84 W/ft ²)
Control System	Colorlight or Novastar
Input Voltage	AC100V~240V 50/60Hz
Working Voltage	DC4.2V ±0.2V
Working Temperature	-20°C to 50°C
Working Humidity (without condensation)	Up to 85% RH
Storage Temperature	-20°C to 60°C
Storage Humidity (without condensation)	Up to 85% RH
Protection Degree	IP20
Installation Environment	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:

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.