

# THD2080

Optimised LED display panel - 2.0mm pixel pitch



- **Optimised, high-resolution indoor LED display panel**
- **Easy installation and maintenance – surface mount and front access**
- **Ultra-thin panel depth - discreet, space-saving design**
- **Ultimate reliability – for peace of mind**

Optoma is the one-stop solution provider for projection and LED displays with its range of 4K UHD, Full HD and custom LED displays.

The ultra-thin LED display panels blend discretely into any corporate, higher education, hospitality and digital signage environment. Perfect for individuals looking to invest in visual equipment, or looking to replace current Large Format Displays (LFD), Video Walls and direct view LED displays.



## Specifications

<b>Screen</b>	
Dimensions (W x D x H) mm	500 x 54 x 281.25
Net weight	4.3kg
<b>LEDs</b>	
Pixel pitch (H x V)	2.083mm
LEDs per pixel	1R1G1B
Red wavelength (dominant)	620nm
Green wavelength (dominant)	520nm
Blue wavelength (dominant)	465nm
<b>Pixels</b>	
Pixel configuration	SMD 3-1
LED face colour	Black
LED size	SMD1010
Pixel resolution (width)	240 pixels/module
Pixel resolution (height)	135 pixels/module
Pixels per area	230,400 pixels/m <sup>2</sup>
<b>Module</b>	
Active module width	500mm
Active module height	281.25mm
Standard active module area	0.1406m <sup>2</sup>
Viewing angle - horizontal	>140°
Viewing angle - vertical	>140°
Ingress protection (front)	IP43
Ingress protection (back)	IP21
LED fixings	Front access
Storage temperature range	-10 - +50°C
Operating conditions	10 - 90 non-condensing
Operating temperature (min)	-10°C
Operating temperature (max)	50°C
<b>Colour</b>	
Greyscale processing depth	16 bits
Number of colours	281 (trillions)
Refresh rate	>3840 Hz
<b>Brightness</b>	
Brightness (before calibration)	800nits
Brightness (after calibration)	800nits
Contrast ratio	4,000
Brightness control levels	256
<b>Power</b>	
Input power (max)	104watts per panel
<b>Other</b>	
Mechanical alignment adjustment	x/y/z (x/y/z planes)
Mitering	-90°
Mounting frame	Optional