

## Indoor P1.86 SMD LED Video Display



**LEDtronics P1.86 SMD LED Video Displays** offer high-definition video quality with a 1.86mm visual resolution. Suitable for indoor rental and fixed install applications, it is your ideal digital display for banquets, entertainment, television, corporate, civic, sports events, command centres, exhibitions and conventions.

Simply put, LEDtronics P1.86 SMD brings world-class technology that will capture more audience attention with enhanced features such as the lighter die-cast magnesium alloy cabinet, higher brightness, higher resolution, excellent color uniformity, picture-perfect clarity, wide viewing angle and higher refresh rates.

LEDtronics is a leading LED display specialist in Malaysia. Every day, many Malaysia's respected brands, small businesses, non-profits, government institutions, universities, shopping malls, media owners and a whole lot more depend on LEDtronics for their visual communication and digital display solutions.

**Efficient, effective and reliable. Since 1997.**

## Product Features

### SMD (3-in-1) LED Packages

Red, green and blue LEDs are blended within a single package to reduce the necessary viewing distance.

### High Refresh Rate

P1.86 LEDs offers more than 3,840 Hz refresh rate for a flicker-free broadcast quality when showing videos.

### High-Density Layout

With higher resolution of the number of full-color pixels within a screen area hence delivers true full-color lines and columns across the display.

### Advanced Video Processing

LEDtronics 16-bit image processing provides 281 trillion colors capability at any brightness setting.

### Video Control System

Equipped with video processor that supports SDI/HDSDI input and video switcher that allows multiple input switches.

### Any Shape, Any Size

Module-based design allows for unique shapes and aspect ratios while eliminating all limitations on display size.

## Technical Specifications

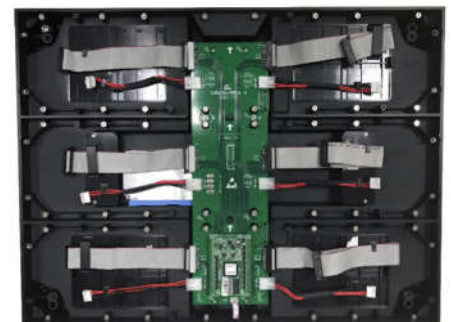
<b>Model number</b>	P1.86
<b>Pixel pitch (mm)</b>	1.86
<b>Pixels per square meter</b>	288,906
<b>Color Processing Architecture</b>	16-bit
<b>Pixel configuration</b>	RGB 3-in-1 SMD1515 (Black)
<b>Color capability</b>	281 trillion +
<b>Color temperature</b>	3,500° - 9,500° K (adjustable)
<b>Refresh rate</b>	>3,840+ Hz
<b>LED lifetime</b>	100,000 hours
<b>Display intensity</b>	> 600 nits (cd/m2) adjustable
<b>Dimming capability</b>	8-bit (256 levels of brightness control)
<b>Horizontal viewing angle</b>	140°
<b>Vertical viewing angle</b>	130°
<b>Contrast ratio</b>	1,000:1 +
<b>Service access</b>	Front / Rear
<b>Cabinet construction</b>	Die-Cast Magnesium Aluminum
<b>Weatherproofing features</b>	N/A
<b>Weatherproofing (front/rear)</b>	IP40 / IP21
<b>Working temperature rating</b>	-34°C to 49°C
<b>Ventilation</b>	N/A
<b>Video frame rate</b>	60 frames per second
<b>Video compatibility</b>	PAL, NTSC, HDTV
<b>Video format</b>	Composite, component, S-Video, SDI, HD-SDI
<b>Data transmission to display</b>	UTP Cat 6 up to 100m / fiber optic cable
<b>Minimum viewing distance</b>	1.8 m
<b>Module configuration-pixels (WxH)</b>	172 x 86
<b>Module dimensions (WxH)</b>	320 mm x 160 mm
<b>Cabinet configuration-pixels (WxH)</b>	344 x 258
<b>Cabinet dimensions (WxH)</b>	640 mm x 480 mm
<b>Cabinet depth</b>	85 mm
<b>Cabinet weight (kg)</b>	8
<b>Maximum power per sq.m. (watts)</b>	580
<b>Average power per sq.m. (watts)</b>	193
<b>Video Processor</b>	LEDtronics Video processor
<b>Operating System</b>	Windows 10



Cabinet: Rear View (convenient in handling and during installation, with less structure and wall load requirements)



Cabinet: Top View (85mm thickness and weighs 8kg only)



Cabinet: Rear View (4:3 box proportion design, interchangeable pitch from 1 to 2.5mm)