

The full color integrated 3in1 SMD LED screens by Vegas LED Screens is a revolutionary development in the LED industry. It features higher definition and a super wide viewing angle in comparison to the ordinary led screens. Each panel is made by custom quantities of modules with an 8x8 or 4x4 configurations. Every 3-in-1 pixel in a reflect cavity is comprised by three LED chips: Red, Green, and Blue.

A dot matrix LED screen is a LED display device used to display information on machines, clocks, railway departure indicators and many and other devices requiring a simple display device of limited resolution. The display consists of a matrix of lights or mechanical indicators arranged in a rectangular configuration (other shapes are also possible, although not common) such that by switching on or off selected lights, text or graphics can be displayed.

A dot matrix controller converts instructions from a processor into signals which turns on or off lights in the matrix so that the required display is produced.

Usual Resolutions for Dot Matrix LED Screens

Common sizes of dot matrix displays:

- 128×16 (Two lined)
- 128×32 (Four lined)
- 192×64 (Eight lined)

Usual Character Resolutions for Dot Matrix LED Screens

- A common size for a character is 5×7 pixels, either separated with blank lines with no dots (in most text-only displays), or with lines of blank pixels (making the real size 6x8). This is seen on most graphic calculators, such as CASIO calculators or TI-82 and superior.

- A smaller size is 3×5 (or 4x6 when separated with blank pixels). This is seen on the TI-80 calculator as a "pure", fixed-size 3×5 font, or on most 7×5 calculators as a proportional (1×5 to 5×5) font. The disadvantage of the 7×5 matrix and smaller is that lower case characters with descenders are not practical. A matrix of 11×9 is often used to give far superior resolution.

- Dot matrix displays of sufficient resolution can be programmed to emulate the customary seven-segment numeral patterns.