VIRTUAL PIXEL MATRIX WITH LEDS FOR DISPLAYS

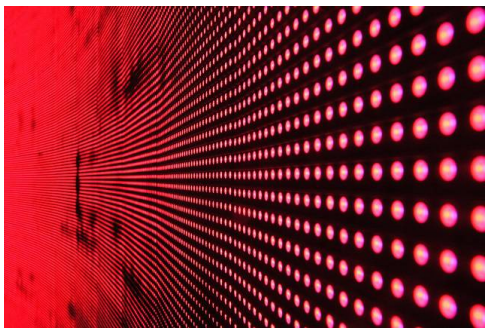
Description:

The use of luminous screens to represent videos in high-color gamut format is increasingly common in different urban locations and large events. The screens based on LEDs cover the needs that the screens based on cathode tubes do not reach. In this sense, the present invention refers to an architecture for arrays of light-emitting diodes (LEDs) with which to generate full-color video screens with notable advantages. This architecture generates a luminous screen based on a virtual pixel matrix, that is, a diode mesh where each LED does not belong to a single pixel, but participates in displaying the 6-pixel information in a multiplexed way over time. different.

Keywords:
Led, Diode, Luminous Information, Screens

Sectors:
Electronics

Areas:
Hardware / Devices / Components



Advantages:

Among the main advantages of this invention, we highlight: • The proposed matrix is applicable to any type of objective resolution and to any LED diode format, whatever its own characteristics of luminosity and angle of view. • The matrix allows you to obtain very wide screen resolutions on devices with a small area, or a very high resolution on large screens. • Spending on components and electricity consumption is lower.

Uses and Applications:

This technology solves the deficiencies of current LED screens, mainly, allowing the screens to be visible not only at great distances but, simultaneously, in short distances, without the prices being very high. Therefore, its most appropriate use is intended for the manufacture of LED screens with better performance.

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