Virtual LED

O.R.T.

Work Overview

LED is a very common goods, we can find it on anywhere.Virtual LED plugin makes visualization more close to daily real life by realizing the LED lighting on UC-win/Road. This plugin will be used a lot of application scenarios.

For example, make the indicator of some facility, display the traffic information or welcome message, and so on.
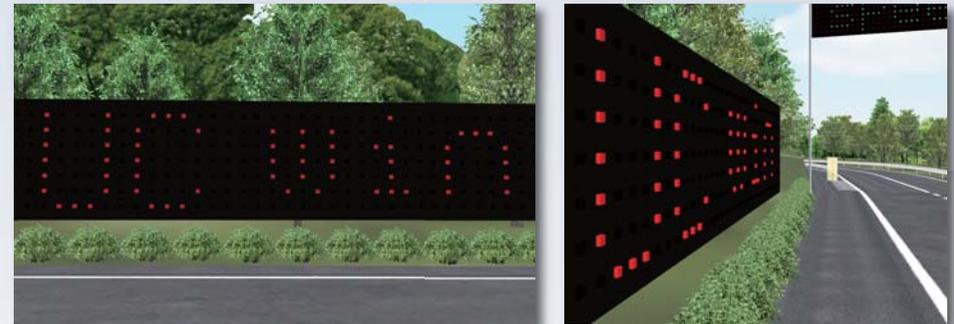

How to realize the Virtual LED

Virtual LED plugin realize the movable video wall by the following procedure.

1. Create a plane and the 7×40 LED Models.
2. Associate five decimal numbers with the each alphabet character.
3. The associated numbers convert to binary number of 7 bits, and associate each bit with the row of the LED Model.
4. Change the color of the LED model depending on the content of the associated bit.
5. By sliding left the bits of each columns, realize the movable video wall.

Usable characters are alphabet 'a-z' and 'A-Z', 'Space' and '*' now.

Future Work

This plugin will serve more rich experience by the following improvement in the future.

1. Distinguish more words.
2. Control action more convenient
3. Play videos, or make advertisement on the LED model.