# SHULIGHT® LED Outdoor RGY-Color Display System

## 1. LED                                   display for graphics context information

●      Product Picture



●  .    System structure

1)     Controlling machine: it is made of a computer and controlling card which is special-purpose by SHULIGHT. It is responsible for editing information and controlling the body of screen.

2)                    The body of display screen: it is made up of controlling circuitry, driver circuitry, power, light parts of apparatus.

3)       Internet applications: the users' software which deployed by screen can use in typeset operating display content and controlling different kinds of display function.

4)     Special software: if the users have special requirement of connect network or designate data source, Party B supplies with the interface agreement. The users make the connect network soft by themselves.

●      System picture

● **System function**

1 　　　TXT　BMP　　　　　　16× 16　72× 72
The system supports TXT, BMP file, etc. It can display 16×16 to 72×72 lattice "song, di, cao, xing, kai, etc" Chinese word, English, number, symbol, etc. It can also display simple plane picture.

2
The system has offline operation function. After editing display content finished and sending to display screen, it can close the controller.

3　　　　　　　　　　　　　There are over ten kinds of the way of display, such as momentary, outspread, item, etc.

4　　　　　　　　0-255　　　　　　The time of staying of display content can adjust arbitrary between 0-255 seconds.

5　　　　　　　　　　　　It can recycle automatically display different content the users need.

6　　　　　　　　　　　　　　　　　The memory way of display content has long-stay, temporary-stay and real time, etc. The long-stay broadcasting information will save permanently after the system power off.

7　　　　　　　　　　　RS232　RS485
After the users design and make display content on computer, it sends to screen display through bunch mouth (commonly is RS232).

8　　　　　　　Windows　　Borland　　　　Information display and interface edit are windows98 interface, using Borland　　program.

# 2. Outdoor RGY-Color Display System

● **Product Picture**



● ． **System Profile**

10mm

12mm P16mm P20mm P25mm                                                    SHULIGHT outdoor
dual basic colors video system was our company tp against using environment to put out
the square, large-scale outdoor announcement board, etc. It has adopted the designing
technique of scanning and modularization of distributing has improved systematic stability
and dependability greatly. The specification of the display device has many kinds of picture
element, such as square 10 mms, square 12 mms, square 15 mms, square 19 mms, square 21
mms, square 26 mms, etc. are in charge of with the proper method. It divides outdoor dual
basic colors, outdoor single basic color.

256                       65 536
Each light emitting unit
of outdoor dual basic color display includes red light and green light. Red, green grey
level of 256 grades has formed 65,536 kinds of colors each; The outdoor single basic color
rejects every unit of giving out light and only includes a kind of color( generally red).
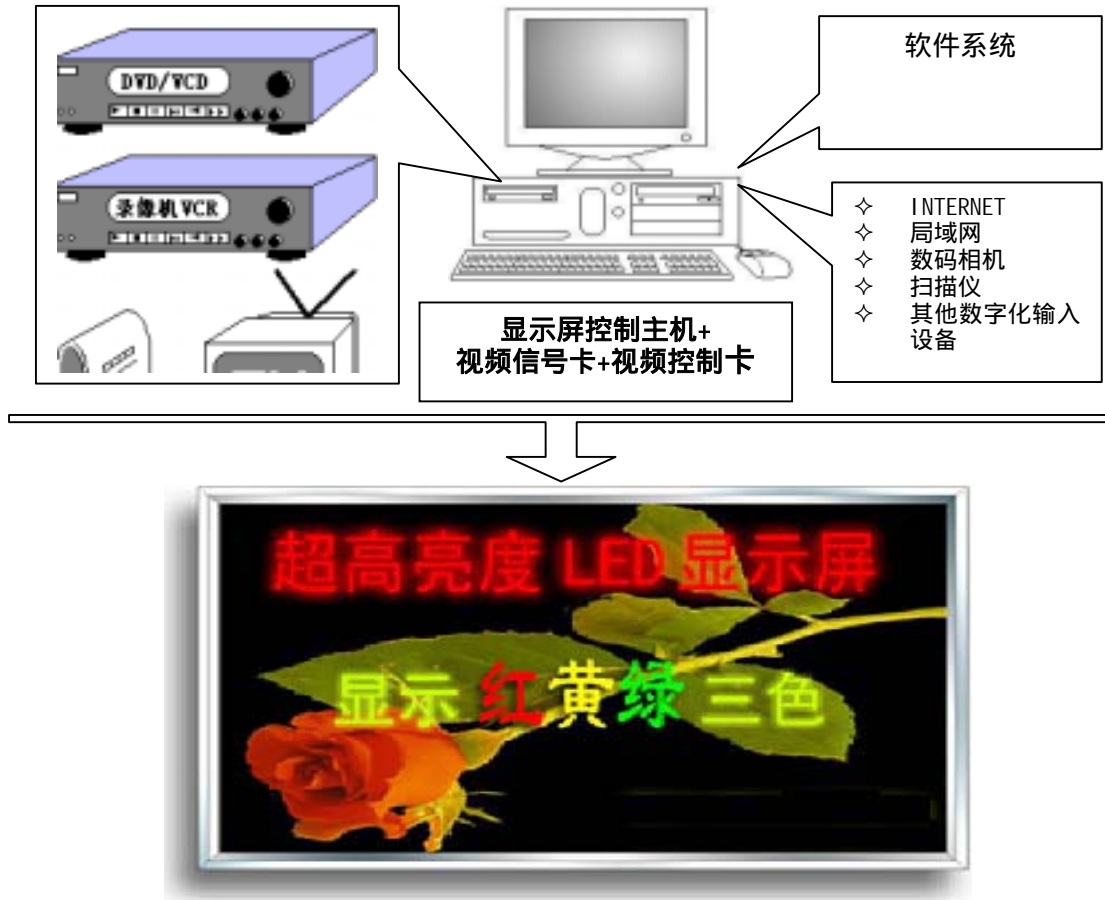
VGA

The body of display screen regard
computer as the control centre, allocating advanced and perfect program making and playing
software, corresponding piecemeal in electronic screen and a certain area of the window
of display of computer (VGA), show the real-time synchronism of content, and can be
convenient to choose and show the size of the picture at will. The outdoor pair of bases
color is looked and rejected and can be received and show video signals, such as video
cassette recorder, video disc machine, television, etc.

● 　　　　Characteristic of system

| | |
|---|---|
| High bright degree | LED        300m<br>It adopts exceed high bright degree of LED, away from the screen 300M, in the condition of sunshine penetrates surface directly, the content is still clear |
| Whole day | Completely suit in outdoor all kinds of bad condition |
| Good effect of display | It adopts not line proofread technology, so that the photo is clearer and arrangement is stronger. |
| Good reliability | It adopts distributing way of scanning technology and modularization design technology. Its reliability and stability are higher. |
| diversification of display mode | It holds out many kinds of display mold. |
| Convenient operation | Currency video play software which makes system operation much convenient. |
| Reasonable design | Modularization design    The size can be combined at will. |

● .          **System structure**

●            **Index Of Technology**

|    |    | 10mm | 12mm | P16mm | P20mm | P25mm |
|----|----|------|------|-------|-------|-------|
| 1  |    | 16× 8 | 8× 8 | 16× 8 | 16× 8 | 16× 8 |
| 2  |    | 11.5mm | 16mm | 16mm | 20mm | 25mm |
| 3  |    | 1    +2 | 1    +3 | 2    +1 | 2    +1 | 2    +1 |
| 4  |    | 64  × 32 | 64  × 32 | 64  × 32 | 64  × 32 | 32  × 32 |
| 5  |    | 736mm× 368mm | 1024mm× 512mm | 1024mm× 512mm | 1280mm× 640mm | 800mm× 800mm |
| 6  |    | 7561  / | 3906  / | 3906  / | 2500  / | 1600  / |
| 7  |    | 5-50M | 8-80M | 8-80M | 10-100M | 20-200M |
| 8  |    | 1/2 | 1/4 |  |  |  |
| 9  |    | 5000cd/ | 5000cd/ | 6000cd/ | 6000cd/ | 6000cd/ |
| 10 |    | 10 |  |  |  |  |
| 11 |    | <120m          >120m |  |  |  |  |
| 12 |    | AC  220V       380V |  |  |  |  |
| 13 |    | -20  ~+45     35%~95%RH |  |  |  |  |
| 14 |    |  |  |  |  |  |
| 15 |    | ± 60        15        45 |  |  |  |  |
| 16 |    | 80Kg/ |  |  |  |  |
| 17 |    | 600W/   -2000W/ |  |  |  |  |

| No. | Item | P11.5mm | P16mm | P20mm | P25mm |
|---|---|---|---|---|---|
| 1 | Pixel tube shape | Squareness 10mm×10mm | Squareness 12mm×12mm | Squareness 15mm×15mm | Squareness 19mm×19mm |
| 2 | Center distance of pixel tube | 11.5mm | 16mm | 20mm | 22mm |
| 3 | Composing of pixel tube | 1R +2YG | 1R+3YG | 2R+1G | 2R +1G |
| 4 | resolution degree of box body | 64point×32point | 64point×32point | 64point×32point | 32 point×32 point |
| 5 | Size of box body | 736mm×368mm | 1024mm×512mm | 1280mm×640mm | 800mm×800mm |
| 6 | Distinguishing ratio | 7561point/ | 3906 point / | 2500 point / | 1600 point / |
| 7 | Visual distance | 5-50M | 8-80M | 10-100M | 15-150M |
| 8 | The way of drive | 1/2    1/4 dynamic scan or static | | | |
| 9 | Screen life | Above 100 thousand hours | | | |
| 10 | Communication distance | With in 100M | | | |
| 11 | Power supply need | AC 220V or 380V three items and four lines | | | |
| 12 | Environment require of the system | -20 ~+45   35%~95%RH | | | |
| 13 | lose control point of the whole screen | Under one in ten thousand . | | | |
| 14 | Visual angle | ± 60degreen    up is 15degreen and down is 45 degree in level direction | | | |
| 15 | Light bright degree | Over 3000cd/ | | | |
| 16 | The Weight of per square metre | 80Kg/ | | | |
| 17 | Power consumption | 350W/    -1300W/ | | | |

**SHULIGHT® Expert On LED Displays**