Outdoor P10 Full Color Led Display Module

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pixel Pitch</td>
<td>mm</td>
<td>10.00</td>
</tr>
<tr>
<td>Pixel Density</td>
<td>dots/sqm</td>
<td>10,000</td>
</tr>
<tr>
<td>Resolution of Module</td>
<td>dots</td>
<td>16×16</td>
</tr>
<tr>
<td>Module Size</td>
<td>mm</td>
<td>160×160</td>
</tr>
<tr>
<td>Led Package</td>
<td></td>
<td>DIP Oval 346 lamp</td>
</tr>
<tr>
<td>Pixel Configuration</td>
<td></td>
<td>1R1G1B</td>
</tr>
<tr>
<td>Chip Brand of LEDs</td>
<td></td>
<td>Epistar/Cree/Nichia</td>
</tr>
<tr>
<td>Module Weight</td>
<td>kgs/piece</td>
<td>0.46</td>
</tr>
<tr>
<td>Brightness (White Balance)</td>
<td>nits/sq.m</td>
<td>6,500</td>
</tr>
<tr>
<td>Red Wavelength</td>
<td>nm</td>
<td>620-625</td>
</tr>
<tr>
<td>Green Wavelength</td>
<td>nm</td>
<td>520-525</td>
</tr>
<tr>
<td>Blue Wavelength</td>
<td>nm</td>
<td>470-475</td>
</tr>
<tr>
<td>Scan Mode</td>
<td></td>
<td>1/4 Scan</td>
</tr>
<tr>
<td>View Distance</td>
<td>m</td>
<td>5-100</td>
</tr>
<tr>
<td>Best View Distance</td>
<td>m</td>
<td>12.5-33</td>
</tr>
<tr>
<td>Viewing Angle-Horizontal</td>
<td>deg.</td>
<td>110</td>
</tr>
<tr>
<td>Viewing Angle-Vertical</td>
<td>deg.</td>
<td>60</td>
</tr>
<tr>
<td>Module Maximum Power</td>
<td>W</td>
<td>33.4</td>
</tr>
<tr>
<td>Max. Power Consumption</td>
<td>W/sq.m</td>
<td>1,302</td>
</tr>
<tr>
<td>Avg. Power Consumption</td>
<td>W/sq.m</td>
<td>390</td>
</tr>
<tr>
<td>Working Voltage</td>
<td>40A 5V</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td></td>
<td>AC 110/220V</td>
</tr>
<tr>
<td>Waterproof Grade</td>
<td></td>
<td>IP65</td>
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<tr>
<td>Refresh Rate</td>
<td>Hz/S</td>
<td>3,000</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>Hz/S</td>
<td>≥ 60</td>
</tr>
<tr>
<td>Gray Scale</td>
<td></td>
<td>4096 grades gray</td>
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<tr>
<td>Display Function</td>
<td></td>
<td>Text, news, advertising, flash, animation</td>
</tr>
<tr>
<td>Life Span</td>
<td>hours</td>
<td>100,000</td>
</tr>
<tr>
<td>MTBF</td>
<td>hours</td>
<td>&gt;10,000</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>°C</td>
<td>-20 -- +80</td>
</tr>
<tr>
<td>Control System</td>
<td></td>
<td>Synchronization</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 Years</td>
<td></td>
</tr>
<tr>
<td>Other Features</td>
<td></td>
<td>LED&amp;ICs in Departed PCB</td>
</tr>
</tbody>
</table>
Package:

Module Package

Cabinet Package
Projects of Channel Cailiang:
Installation Type Example

(A) Base Type
(B) Inlaid Type

(E) Wall mounted Type
(F) Single Pole Support Type
DISPLAY STRUCTURE

LED lamp → Module → Cabinet → Display

LED tube → LED Pixel → LED cabinet → LED display

Presentation of routine installation of LED screen
- supported by bracket
- supported by ground
- mounted on top of building
- inserted in wall
- hung on ceiling
- mounted on wall
Enterpris Culture

Focus will be successful.
-- We specialize in 'LEDs' ONLY!

Love our employees
Love our customers
Love our enterprise
E-Management
Integrate enterprise resource
Meet customers' needs
Do execute
Manufacture the greatest products
Provide the best service
Control Card (Linsn) for Full Color Led Display as a reference:

Sending Card TS-801

Receiving Card RV-801
TS801

Control Card LINSN TS 801 Support max DVI resolution 1280x1024, work with RV 801 & RV 802.

Fully compatible with the seventh generation
Upgrade development on the seventh generation, the original function of many new features with more powerful, more stable and more reliable system. Systems can be mixed with seven generations.

Support 10-bit color
The old system of 8-bit color can display 256x256x256 = 1677216 colors, the new system color number 1024x1024x1024 = 1073741824 color, the new system, the number of colors is 64 times the old system.

Smart connectivity
With a display of multi-block receiver card / box (including the spare) can be reset without any exchange, receive identification cards will be smart display the contents of the earth.

Intelligent monitoring
Each receives four cards have temperature monitoring and fan control output can be set according to the user to control the temperature of maximum four intelligent fan speed.

Company icon
When the power did not send a card to open the display automatically when the set point of the company image, image pixel is 128X128, the number of colors to 16K colors.

Supports within the arbitrary 16-bit scanning
1,2,4,8,16 scanning the original system only supports the new system
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16 scan.

Support modules within a width of 64 random numbers
2,4,8,16,32,64 width of the old system only supports modules, the new system within the random number is 64.

Support shaped split display
Each segment receives separate 1024 card maximum support for the abnormal / text screen.

I support the inserted content
Each access point can be set to one or more of the number of empty pixels, for abnormal screen.

Support with PWM driver chip
Require special driver chip, thereby enabling the display effect more perfect.
Support the hardware point by point correction
Require special driver chip, thereby enabling the display point by point correction better.

Support-by-point detection
Require special driver chips with dynamic display flaw detection of the situation.

Software packages
LED Studio 11.23

**TS802**

Specifications

1. LINSN TS 802 Support max DVI resolution 2048x640, work with RV 801.
2. TS802 Sending Card/Sender/Transmitter (Full color)

Function:

Receiving signals from computer then feeding to receiving card/receiver/scan board.

**Specification:**

- 5V, 2A
- Can put inside the PC by PCI slot, or put outside the PC by adding a 5V power supply.
- One card can max support 2048(width)*640(height) pixels (with U and D outputs).
- One card with one network cable output can support 1600*400 or 2048*320 pixels.
- Model 802 has the audio data transmission function. To apply TS802's audio function, a function board is needed.
- Its dip switch can realize max four cards cascaded, to meet a larger resolution needs (eg.2048*1152,4096*640,4096*1152 etc.)
- TS802 is full-color sender, can control real pixel, virtual pixel, full-color, double color and single color display.

**RV801**

Specifications

Control Card LINSN TS 801 Support max DVI resolution 1280x1024, work with RV 801 & RV 802.
Features:

Point by point correction, by card (box) correction.

Support for single-point calibration point by point, 2 × 2, 4 × 4 points and 8 × 8 four calibration mode, the maximum correction of 6144 points/module, red, green and blue of the 256. By card (box) between the correction for the display of the box color correction, red, green and blue of the 256.

Intelligent Identification Function

Intelligent identification program can recognize color, full color, virtual, lighting and other various boards of various drivers and various scanning signals to identify the rate of 99%, a set of cards in hand, doing screen of mind.

65536 (64K) arbitrarily set within the function of gray

Customers can monitor the situation from no gray to 65,536 (64K) adjust the gray, so that you achieve the best display screen.

Any refresh rate settings, lock, synchronization.

Refresh rate from 10Hz-3000Hz can be arbitrarily set, the refresh rate lock feature allows the display refresh refresh rate locked in a multiple computer monitors, and to prevent tearing, to ensure perfect image reproduction. Phase-locked synchronization range 47Hz-76Hz.

Double large load area.

Full Color 4096 (4K) gray 180Hz refresh rate, the maximum with 512 × 128, is the sixth generation 256 × 128 double, full-color static 16384 (16k) gray 300hz, which can carry 160 × 64 is the sixth generation of 80 × 64 twice. (Note: The board can be driven on the high clock 30MHz)

Hot backup feature dual-network lines

Receiving cards A, B two-port can be used as input or output port can be used to control two computers while a screen, when a computer fails, another computer automatically takes over, a computer can also be used for dual-network line of control, when a cable problem, the other automatically takes over a network cable, so that the normal work of the greatest screen protection.

Multi-screen synchronization and combination of functions.
Send card control with support for a multi-block screen, multi-block-screen status can be any combination of work, synchronous display, independent playback, shortcut keys can be quickly switched.

256 automatic brightness adjustment 256 automatic brightness adjustment function lets you adjust the display brightness is more effective.

Program online upgrade function.

If the display of the receiving card program to be upgraded, just open the studio big-screen power to upgrade through the LED, no need to split away from the big screen receiving card can be upgraded.

Break through the traditional concept of non-code switch.

No DIP switch design, all of the settings through the computer settings.

Test function:

Receiving card integrated test functions, then do not send cards to the test screen, slash, gray, red, green, blue, full brightness, and other test mode.

Long distance

Transmission maximum of 170 meters (measured), ensure the transmission 140 meters.

Supporting software

LED Studio 10.0