



# RNDLED1.5

## Indoor LED Screen Module Parameter

| Specifications:  | Item                    | Parameter                                |
|------------------|-------------------------|------------------------------------------|
| Module & Cabinet | Model:                  | CN.RAND1.5.GOB                           |
|                  | Pixel Pitch:            | 1.56 mm                                  |
|                  | Pixel Configuration:    | GOB                                      |
|                  | Cabinet Size:           | 1000* 500 * 33 mm                        |
|                  | Cabinet Resolution(W×H) | 640 dots(W) * 320 dots(H)                |
|                  | Module Thickness:       | 10 mm                                    |
|                  | Module Material:        | Die Cast Aluminium                       |
|                  | Dot Calibration         | 3% range / color                         |
|                  | Avg Power / Cabinet     | 100 W                                    |
|                  | Screen Body Weight :    | 4.4 kg/panel                             |
|                  | Drive mode              | 1/40 Scan                                |
|                  | Refresh rate:           | 3480 Hz                                  |
|                  | Ingress Protection:     | IP54                                     |
|                  | Brightness:             | 600 CD/SQM                               |
|                  | Control Mode            | To be synchronized with computer monitor |

## Cabinet Specs:

|                              |                             |                                                                 |
|------------------------------|-----------------------------|-----------------------------------------------------------------|
| <b>Cabinet &amp; Cabinet</b> | Color temperature(K)        | 5000-12000 Optional                                             |
|                              | Brightness/Color uniformity | ≥97%                                                            |
|                              | Optimal Viewing Distance:   | 1-25M(According to the final screen size)                       |
|                              | Optimal Viewing Angle:      | Horizontal angle: 160 degree; Vertical angle: 160 degree        |
|                              | Environment Temperature:    | Storage: -20 degree~+60 degree Operation: -10 degree~+50 degree |
|                              | Operate Voltage:            | AC: 100V~ 120V AC: 220V~240V                                    |
|                              | Gray/color:                 | 16 bits                                                         |
|                              | Life Span:                  | ≥100000 Hours                                                   |
|                              | Power Switch:               | Automatic Switch/Software Schedule                              |
|                              | IP Rating:                  | IP 54 front & rear                                              |

| SCREEN:               | Specifications                     | Parameter                                                             |
|-----------------------|------------------------------------|-----------------------------------------------------------------------|
| <b>CONTROL SYSTEM</b> | Video Input (with video processor) | DVI.HDMO, PAL/NTSC/SECAM:VGA:RGB Composite Video;SDI etc.             |
|                       | Control Method                     | Synchronization display (to computer display)                         |
|                       | Control System                     | Main controller+Branch controller (receiving card)+DVI card+CAT/Fiber |
|                       | Transmission Distance              | Multi mode fiber<500m,<br>Single mode fiber <30Km,                    |
|                       |                                    | Internet Cable<100m                                                   |
|                       |                                    |                                                                       |

### Accessories

### Accessories List

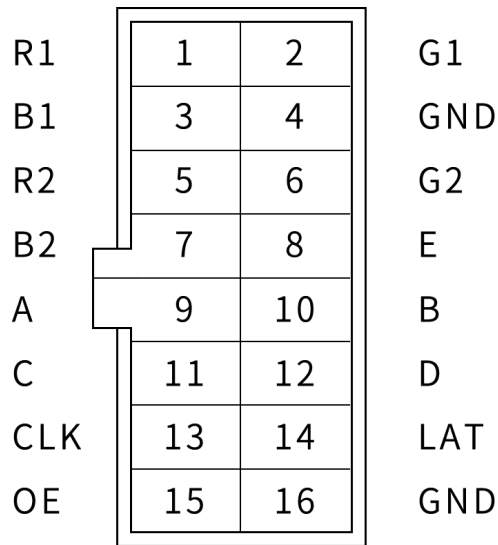
| Accessories                                                                         |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| Power Supply                                                                        | Single Cable                                                                        | Screws, connecting sheet, Sleeve Piece                                                |
|  |  |                                                                                       |
| Equipment for front and rear maintenance                                            | Keys                                                                                |                                                                                       |



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Interface Picture (HUB75)



Interface Definition

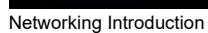
Interface Definition

| Pin | Signal | Function            | Pin | Signal | Function            |
|-----|--------|---------------------|-----|--------|---------------------|
| 1   | R1     | Red Data Signal     | 2   | G1     | Green Data Signal   |
| 3   | B1     | Blue Data Signal    | 4   | GND    | Power Ground        |
| 5   | R2     | Red Data Signal     | 6   | G2     | Green Data Signal   |
| 7   | B2     | Blue Data Signal    | 8   | E      | Row Decoding Signal |
| 9   | A      | Row Decoding Signal | 10  | B      | Row Decoding Signal |
| 11  | C      | Row Decoding Signal | 12  | D      | Row Decoding Signal |
| 13  | CLK    | Clock Signal        | 14  | LAT    | Latch Signal        |
| 15  | OE     | Enable Signal       | 16  | GND    | Power Ground        |

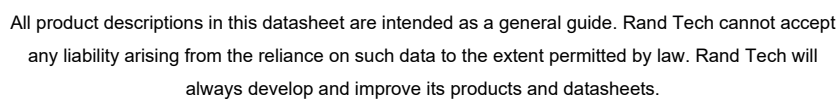


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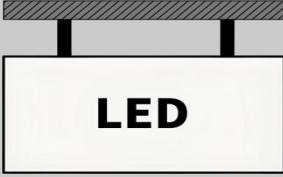
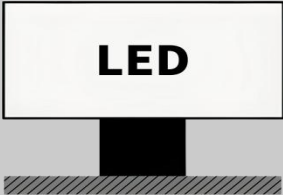
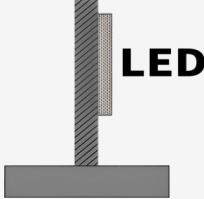
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## Topographic Picture for networking



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| Installation Type    | Picture                                                                              |
|----------------------|--------------------------------------------------------------------------------------|
| Hanging Style        |    |
| Supporting Style     |    |
| Landing Style        |    |
| Inlaying Style       |   |
| Struting Style       |  |
| Wall-attaching Style |  |



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| Item                           | Notification                                                                                                                                                                            |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature                    | Keep the work temperature within -10°C~50°C                                                                                                                                             |
| Humidity                       | Keep the storage temperature within -20°C~60°C                                                                                                                                          |
| Waterproof                     | Keep the work humidity within 10%RH~98%RH                                                                                                                                               |
| Dust-proof                     | Keep the storage humidity within 10%RH~98%RH                                                                                                                                            |
| Anti-Electromagnetic radiation | IP68                                                                                                                                                                                    |
| Electrostatic Prevention       | IP68                                                                                                                                                                                    |
| Temperature                    | LED display shouldn't put under the environment where has strong interference by electromagnetic radiation, which would be easy to picture display abnormal.                            |
| Humidity                       | It should be ground connected well for power supply, cabinet, mental cover of display body, the resistance of ground connection<10Ω, to avoid making any damage to electric components. |

| Item                         | User Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrostatic Protection     | The installer need wear electrostatic ring and electric gloves, each equipment should take ground connection well when installing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Connection Type              | There are positive and negative electrode silk printed on module, don't allow to reverse connect, and prohibit to connect with AC 220V.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Operate Type                 | Prohibit to assemble module, cabinet and whole of display under power on, operation should be under power off completely, to protect personal safety; Prohibit anyone to touch when the LED display is working, in case the static electricity which is generated by body to break through LED and other components.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dismantle and Transportation | Don't allow to throw, push, compress module, to prevent module falling down, to avoid breaking kit, damage LED chips, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Environmental Inspection     | It should match temperature and humidity meter for LED display at installation site, to monitor its surrounding environment, so that it can find out if LED display being affected with damp, moisture, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| The Usage of LED display     | <p>1.The environmental humidity should be 10%RH~65%RH, it is suggested to turn on LED display one time each day, normal to use above 4 hours each time, to remove its damp.</p> <p>2.When the environmental humidity is above 65%RH, it should make dehumidification to environment, and it is suggested to work LED display above 8h each day.</p> <p>3.When LED display has not turned on for a long time, it should preheat LED display to remove moisture before use, to avoid damage LED because of damp, the specific method: 20% brightness to work for 2h, 40% brightness to work for 2h, 60% brightness to work for 2h, 80% brightness to work for 2h, 100% brightness to work for 2h, by this to gradually increase its brightness.</p> |

Acceptance Request and Method



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