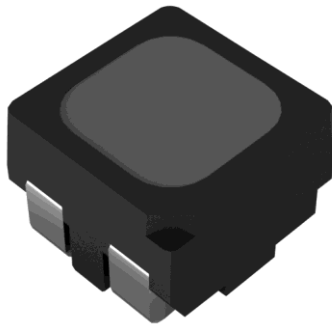


## I : Product Specification

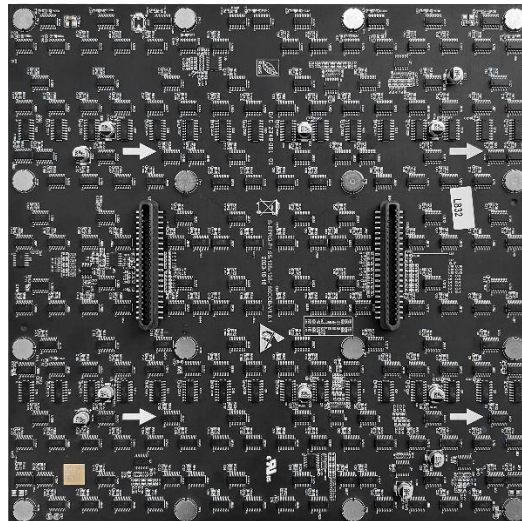
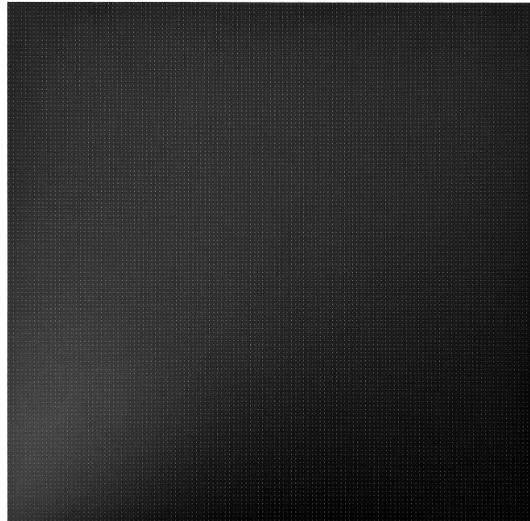
### I. LED Lamp



| LED                    | RGB 3IN1   | LED LAMP         | NATIONSTAR |
|------------------------|------------|------------------|------------|
| LED encapsulation type | SMD        | LED size         | 1515       |
| Red wavelength         | 625±2.0 nm | Green wavelength | 520±2.0 nm |
| Blue wavelength        | 475±2.0 nm |                  |            |

# Proedu 1

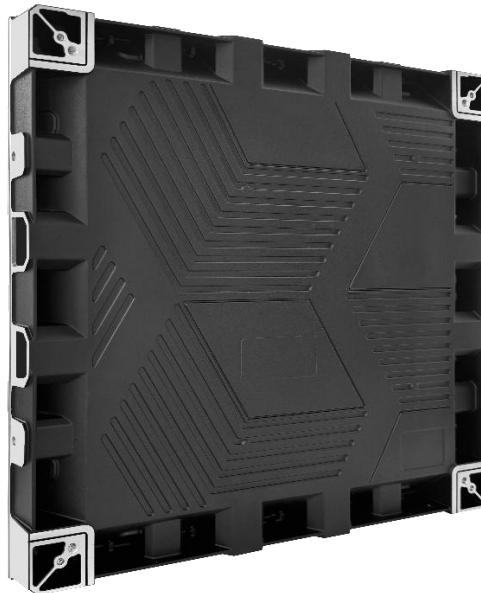
## II. LED Module



|                     |                       |
|---------------------|-----------------------|
| Pixel pitch         | 1.95 mm               |
| Module resolution   | 128 pixel X 128 pixel |
| Dimensions (W x H ) | 250 mm X 250 mm       |

## III. Cabinet Design (Front Service Die-casting Aluminum Cabinet)

Cabinet Parameter



|                           |              |                         |           |
|---------------------------|--------------|-------------------------|-----------|
| Dimensions (WxH)          | 500 x 500 mm | Module Quantity         | 2 x 2 pcs |
| Physical Resolution (WxH) | 256 x 256    | Physical Pixels (total) | 65536     |
| Weight/Cabinet            | 6.5 KG       | Material                | Aluminum  |

## IV. Whole LED screen

Specification for whole screen

| Parameter                    | Value                                         |
|------------------------------|-----------------------------------------------|
| Real display size            | .... x .... m                                 |
| Whole screen Resolution      | ..... x ..... pixel                           |
| Brightness                   | ≥600 nits                                     |
| Life Span                    | ≥100,000 hs                                   |
| View Angle                   | H≥160° V≥160°                                 |
| Viewing distance             | 2.6~50 m                                      |
| Brightness Control           | 128 levels                                    |
| Grey color                   | 16 bit                                        |
| Refresh Rate                 | ≥3840 Hz                                      |
| Frame Rate                   | ≥60 Hz                                        |
| Drive Type                   | Constant current drive                        |
| Scan Type                    | 1/32                                          |
| Max Power Consumption        | 560 W/m <sup>2</sup>                          |
| Average Power Consumption    | 200 W/m <sup>2</sup>                          |
| Input Voltage                | AC 110~220V ±15% 50/60HZ                      |
| Color Temperature            | 6500 deg. k                                   |
| Malfunction dot rate         | ≤0.0001                                       |
| MTBF                         | 5000hs                                        |
| Module Brightness Uniformity | ≤4%                                           |
| Input signal                 | RF, S-VIDEO, RGB, RGBTV, YUT, YC, COMPOSITON. |
| Control system               | Synchronous Control System                    |
| Ingress Protection           | Front IPXX                                    |
| Earth Leakage Current        | <1.5mA                                        |
| Operating Temperature        | -25°C ~ +65°C                                 |
| Storage Temperature          | -35°C ~ +85°C                                 |
| Controller                   | Data sending card+ Data Receiving card        |

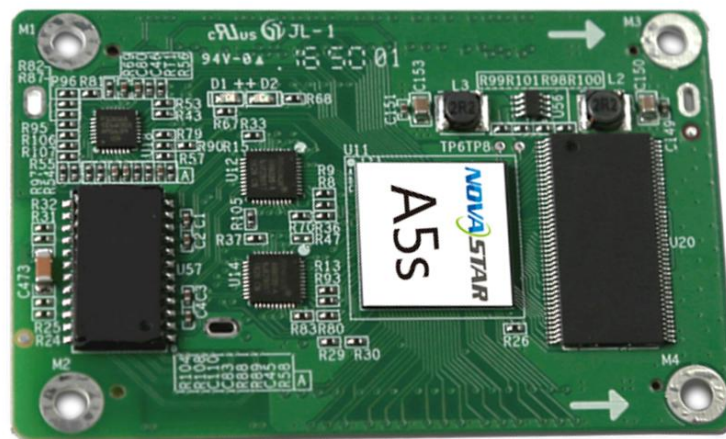
# Proedu 1

## FOUR: Main controller and Receiving card

### 1. Main controller



### 2. The receiving card:



# Proedu 1

**FIVE: The P1.95 in Aging test:**

