

# Proedu 1

## I : Product Specification

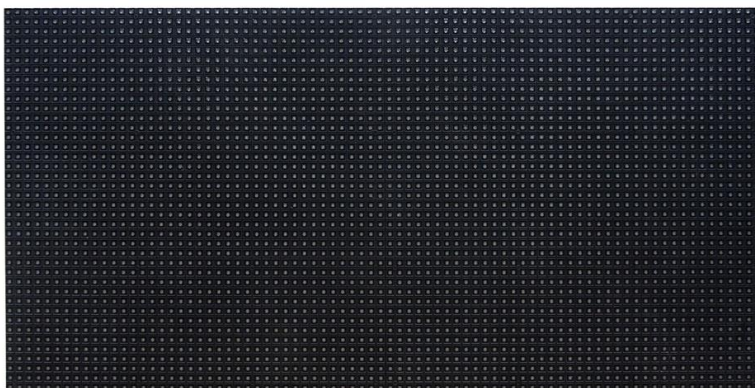
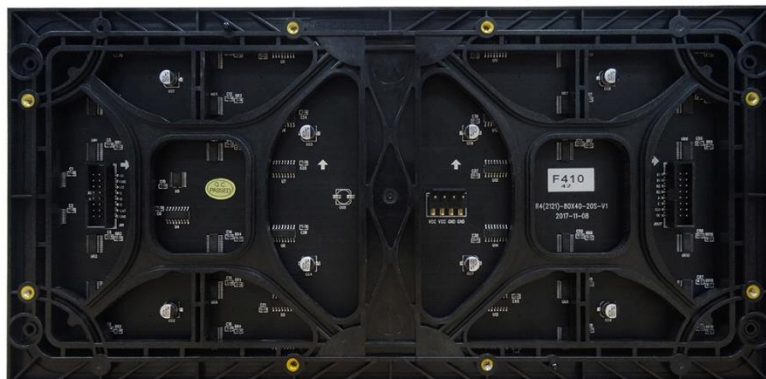
### I. LED Lamp



LED	1R1G1B	LED lamp	NATIONSTAR
LED encapsulation type	SMD	LED size	2020
Red wavelength	623±2.0nm	Green wavelength	520±2.0nm
Blue wavelength	470±2.0nm		

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## II. LED Module

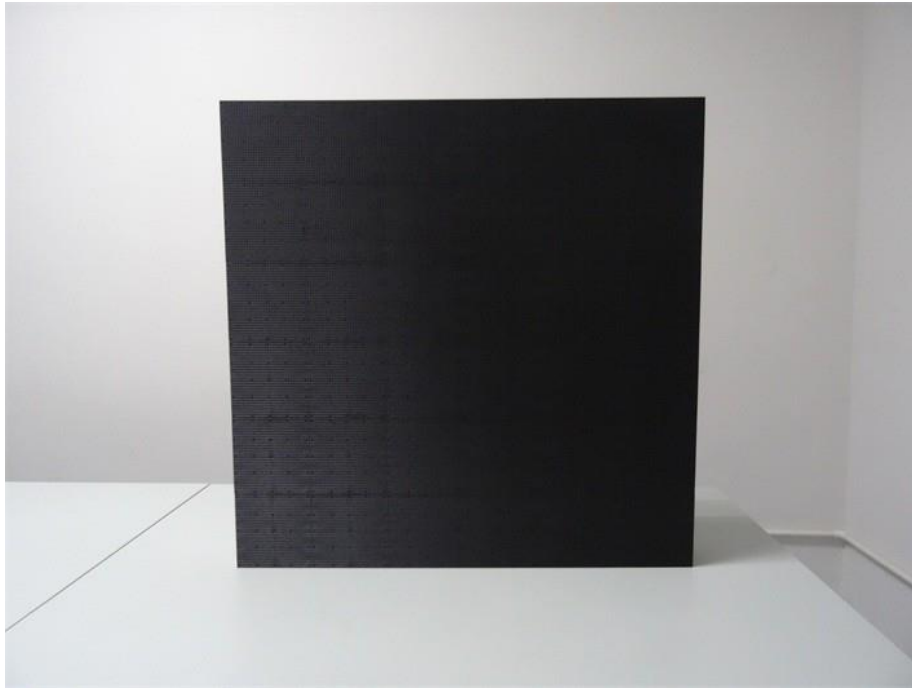


Pixel pitch	4 mm
Module resolution	80 pixel X 40 pixel
Dimensions (W x H )	320 mm X 160 mm
Driving IC	ICN 2037

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## III. Cabinet Design (Front Access Simple Iron Cabinet)

Cabinet Parameter



Dimensions (WxH)	960 x 1280 mm	Module Quantity	3 x 8 pcs
Physical Resolution (WxH)	240 x 320	Physical Pixels (total)	76800
Weight/Cabinet	30 KG	Material	Iron

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## IV. Whole LED panel Specification for whole screen

Parameter	Value
Real display size (WxH)	3.84 x 2.56 m
Whole screen Resolution (WxH)	960 x 640 pixels
Brightness (calibrating value)	≥1000 nits
Life Span( 50% Brightness)	≥100,000 hs
View Angle (min, 50% brightness)	H≥140° V≥140°
Viewing distance	4~100 m
Brightness Control	128 levels
Grey Scale	65536
Refresh Rate (PAL/NTSC) minimum	≥3840 Hz
Frame Rate	≥60 Hz
Drive Type	Constant current drive
Scan Type	1/20 scan
Max Power Consumption	600 W/m <sup>2</sup>
Average Power Consumption	300 W/m <sup>2</sup>
Input Voltage	AC 220/110V±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 IP65
Earth Leakage Current	<1.5mA
Operating Temperature	-25°C ~ +65°C
Storage Temperature	-35°C ~ +85°C
Operating Humidity Range	operating 10~99%
Controller	Data Main control card+ Data Receiving card

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V : Application:

