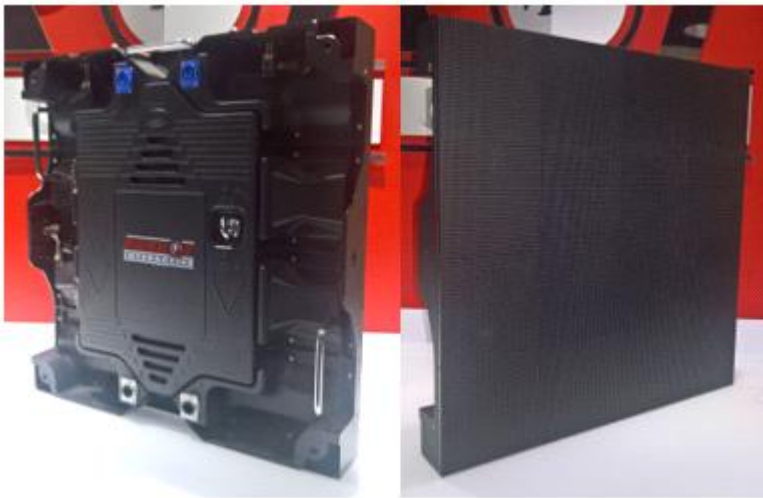


# SPEC SHEET - DIGITAL SIGN – PARROT P4 INDOOR CABINET 512X512 [DSP4-512]

Thursday, 11 May 2017 8:22 AM



## Product Description

- ▶ Cabinet size can be customized, profile aluminum material design ensure precise positioning and its light weight reduces labor intensity.
- ▶ Hanging and standing installation are available for different applications.
- ▶ Noiseless and energy saving power supply, aluminum plate to improve heat dissipation performance.
- ▶ Flatness between cabinet < 0.2mm, special coating technology for mask to ensure same color on screen surface.

Model	P4
Pixel Pitch ( mm )	4
Physical Density ( dot/m2 )	62,500
LED Configuration	1RGB
LED Type	SMD2121
Module Size ( mmxmm )	256x128
Module Resolution ( PXxPX )	64x32
Module Power Consumption ( w )	20
Dirve Mode	Constant Current Drive
Scanning Mode	1/16
Horizontal Viewing Angle ( Deg )	140
Vertical Viewing Angle ( Deg )	110
Brightness ( cd/m2 )	600~1400
Grey Scale	14bit
Refresh Rate ( Hz )	>1200
Cabinet Resolution ( PXxPX )	128x128
Cabinet Max Power Consumption ( w )	160
Cabinet Average Power Consumption ( w )	50
Cabinet Size ( mmxmm )	512x512
Cabinet Weight ( Kg )	9
Cabinet Thickness ( mm )	65

Cabinet Material	Profile Aluminum
Color ( M )	>16.7
Input Voltage ( V )	AC110V~220V+/-10%
Refresh Frame Frequency ( Hz )	50~60
Protection Level	IP45
Working Environment	Indoor
Working Temperature ( °C )	-20°~ +40°
Operation Humidity ( RH )	40%~60%
Life Span ( H )	100 , 000

### Extra Info

Q -What is the max power draw per cabinet?

A - 1.7A @220V

Q - Is there a minimum recommended size?

A - Normally the recommended size is based on viewing distance. For playing video, the suggested min resolution is nothing less than 100,000 dots resolution. This means the amount of dots horizontally/width times the dots vertically/height

Q - Is there a maximum size?

A - There is not limits to the maximum screen size. It will all depend on the installation location and viewing distance. The larger the screen size and the larger the resolution will ensure better display results

Q - What is the recommended screen ratios?

A - The two suggested ratios are 4:3 and 16:9. Any ratio is possible but you will need to ensure your content scale nicely to the any of these odd ratios.

Q - Is there a way to calculate the screen resolution based on the configuration of cabinets?

A - Yes. For example let's take this P4 - 512x512mm cabinet. P4 means the distance between two adjacent LED lights is 4mm. So, 512x512mm cabinet has  $512/4 = 128$  LEDs for width and  $512/4 = 128$  LEDs for height. This means each cabinet has a resolution of  $128 \times 128 = 16\,384$  dots. If screen configuration is 4 cabinets width by 4 cabinets height the total resolution would be:  $(4 \times 128 = 512)$  width  $\times$   $(4 \times 128 = 512)$  height OR  $512 \times 512 = 262\,144$  dots.

Q - How many cabinets can one power cable supply?

A - One power cable can handle 10 cabinets

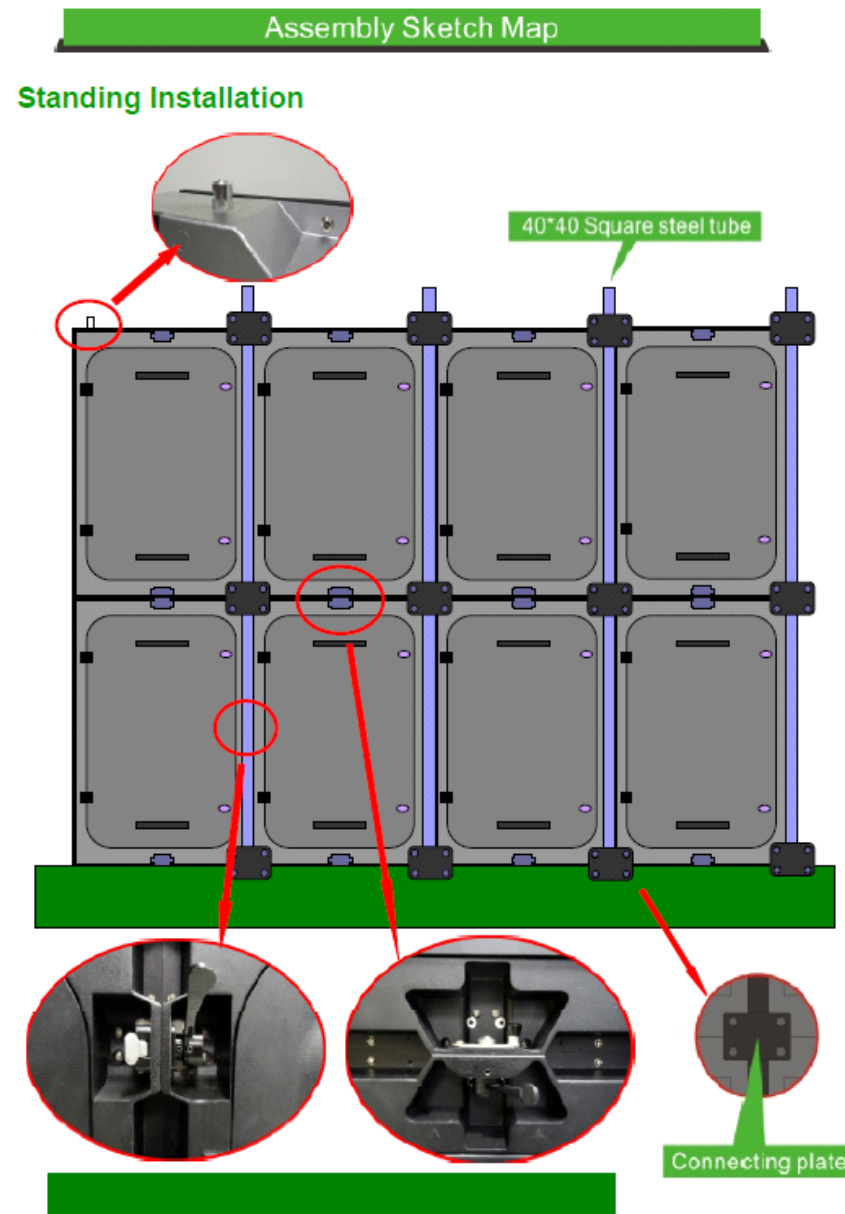
Q - What software is used with this screen?

A - We use the "NovaStar" suit. For setting up and configuring the synchronous card MSD300 we use NovaLCT-Mars V4.6.2 and for the asynchronous card PSD100-WIFI we use NovaPluto Manager V5.0.3

You may download the software from their website - [www.novastar-led.com](http://www.novastar-led.com)

Q - What would a Standing Installation look like?

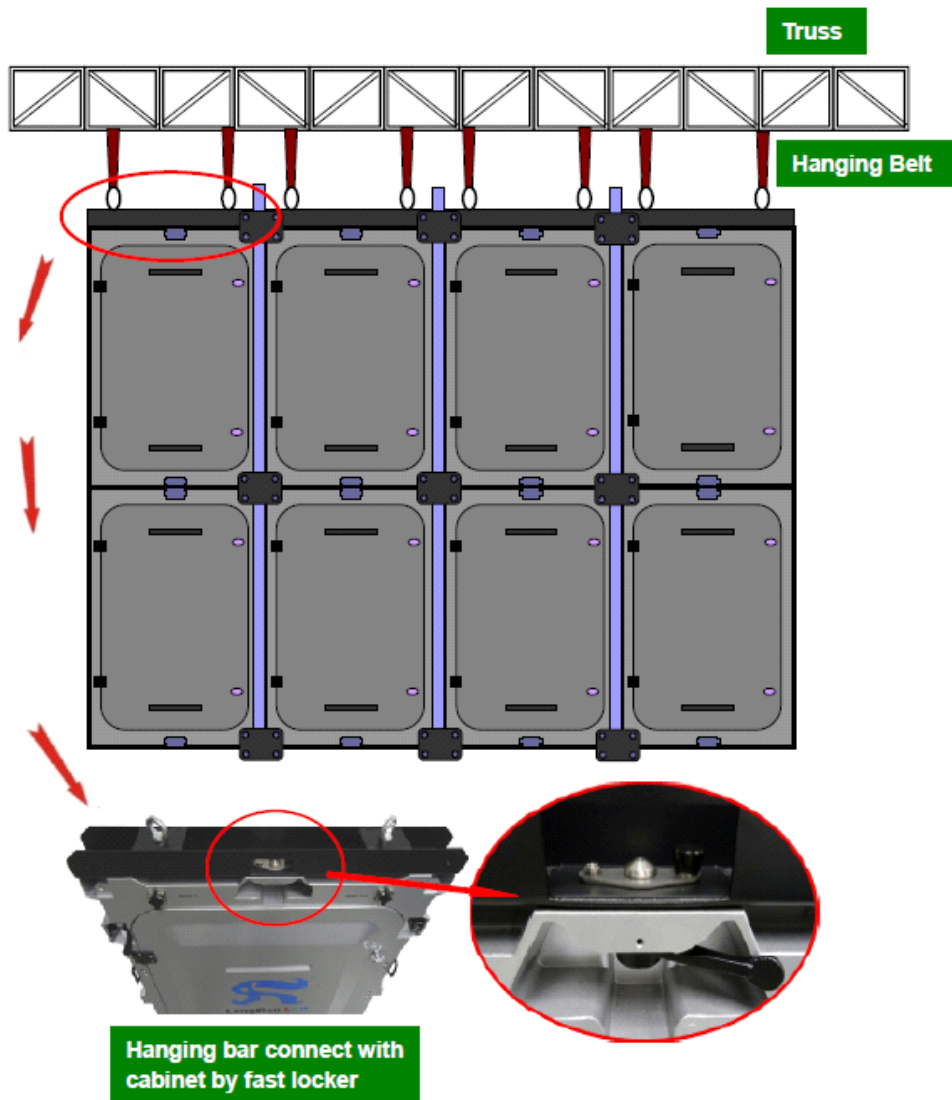
A -



Q - What would a Hanging Installation look like?

A -

### Hanging installation.



Q - How do the power and signal cable connections work?

A -

## Power Cable And Signal Cable Connection Sketch Map

