

**A Modular system for outdoor applications**

**10mm Pixel pitch with oval LEDs**

**Full-Color outdoor LED Display  
Specification**

**P10-SIO**

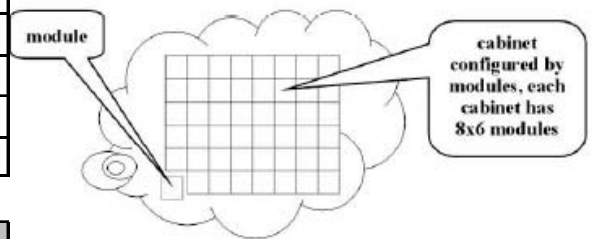
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# P10 Full Color LED Cabinet Specification

## Module

Parameter	Unit	Value
Pixel pitch	mm/inch	10mm/0.39"
Pixel density	dots/sqm	10,000
Pixels	Dots	16x16
Size	mm/inch	160x160/6.3" x6.3"
Pixel type and configuration		Oval lamps 1R1G1B
Brightness	nits(cd/sq.m)	5,000~7,000
Drive type		1/4 scan
Viewing angle(Horizontal)	deg.	130(-65~+65)
Viewing angle(Vertical)	deg.	60(-30~+30)
Red wavelength(Dominant)	nm	620~625
Green Wavelength(Dominant)	nm	525~530
Blue wavelength(Dominant)	nm	470~475
Lifetime(50% brightness)	Hours	100,000



## Cabinet

Parameter	Unit	Value
Width	mm/inch	1280mm/50.39"
Height	mm/inch	960mm/37.80"
Aspect Ratio		4:03
Diagonal	mm/inch	1,600/62.99"
Depth	mm/inch	150/5.91"
Area	Sq. m/sq. inch)	1.229/1904.74
Weight	kg/lbs	75/165
Pixels	dots	128x96=12288
Material		cold rolled armor plate
Ingress protection	IP	65front)/43(back)
operation temperature range	Deg. C	-30~+60
Operation Humidity*	RH	10%~90%
Best viewing distance	m/feet	13~34/43-112'
Input voltage(nominal)	V/AC	110~240
input power frequency	Hertz	50~60
Power consumption(max.)	Watts	800
Power consumption(min.)	Watts	400
Cooling system		110-240/AC Fansx4



## System

Parameter	Unit	Value
Colors		1.07 billions
Grey Scale(linear)	Levels	1,024 levels per color
Brightness Control	Levels	100
Processing depth	bit	10
Video frame rate		30~60
Display refresh rate	Hertz	600-2,400
Multimedia data format		Component, composite RGBHV, DVI etc.
data interconnection		UTP Cat5/Optical Fiber

