

A Modular system for outdoor applications

16mm Pixel pitch with oval LEDs

**Full-Color outdoor LED Display
Specification**

P16-SIO

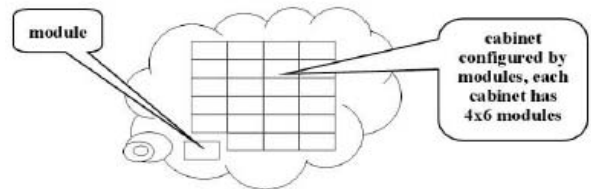
Document version: JH-P16-SIO-SPEC-V1.0

May 2008

P16 Full Color LED Cabinet Specification

Module

Parameter	Unit	Value
Pixel pitch	mm/inch	16mm/0.63"
Pixel density	dots/sqm	3,906
Pixels	Dots	16x8
Size	mm/inch	256x128/10.08" x5.04"
Pixel type and configuration		Oval lamps 2R1G1B
Brightness	nits(cd/sq.m)	5,500~7,000
Drive type		static constant
Viewing angle(Horizontal)	deg.	130(-65~+65)
Viewing angle(Vertical)	deg.	60(-30~+30)
Red wavelength(Dominant)	nm	620~625
Green Wavelength(Dominant)	nm	520~525
Blue wavelength(Dominant)	nm	470~475
Lifetime(50% brightness)	Hours	100,000



Cabinet

Parameter	Unit	Value
Width	mm/inch	1024mm/40.31"
Height	mm/inch	768mm/30.24"
Aspect Ratio		4:03
Diagonal	mm/inch	1,280/50.39"
Depth	mm/inch	150/5.91"
Area	Sq.m/sq.inch)	0.7864/1218.97
Weight	kg/lbs	54.5/110
Pixels	dots	64x48=3072
Material		cold rolled armor plate
Ingress protection	IP	65(front)/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	900
Power consumption(min.)	Watts	450
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

