



## Introduction:

PH10mm Outdoor full color LED display adopts physical and virtual pixel technology which makes the picture more clear and vivid, no flicker and blind dots. The PH10mm outdoor full color advertising LED display screen is manufactured in a waterproof and dustproof design so it can work very well under rain and sunshine. It can be assembled, disassembled and repaired very easy, it is an ideal product for any kind advertisements. Wide application field: advertising LED display, stadium perimeter LED display, mobile led display for mobile media, shopping mall LED display for logo showing, bank & stock exchange LED display for rates showing, train & bus station, airport, telecommunication LED screen system for information showing and instruction, stage performances and so on.

## Features & Technical Specification:

### PH10mm Outdoor full color LED display:

1. Wide application field: advertising LED display, stadium perimeter LED display, mobile led display for mobile media, shopping mall LED display for logo showing, bank & stock exchange LED display for rates showing, train & bus station, airport, telecommunication LED screen system for information showing and instruction, stage performances and so on.
2. High Contrast and Frequency: 4000:1 and 5000HZ, which is a very high level to ensure a vivid image of our LED screen system.
3. Good quality LED chip: Supplied by Nichia, Cotco cree, Toyota, Silan, Optec, & other high strictly selected LED chip to ensure the long life time and high brightness of our LED screen system.
4. Very high quality and Clear vivid image quality: even in direct, full-on sunlight to ensure you attracts more audience to get short ROI of your LED screen's investment.
5. High Brightness of LED Display: 7500-nit brightness(for outdoor full color)(more than 2000 nits brightness for indoor full color) capacity throughout product lifetime of the LED display.
6. Easy Installation & Using : easy & simple installation interface and user friendly software to ensure the user friendly interface of the LED screen system.
7. Convenient Servicing: Front or rear led display cabinet access make the maintains work very convenient and low cost to help you concentrate more time and energy on your main marketing promotion business.

### Technical Specification (P10mm Outdoor Full color LED Display):

Pixel configuration	DIP346 1R1G1B
LEDs configuration	Red: wave length: 625~630nm;1100-1300mcd Green: wave length: 525~530nm;1900-2400mcd Blue: wave length: 470~475nm;500-700mcd
Pixel pitch(mm)	10
Pixel density	10000
Calibrated brightness	9000 nits(adjustable)



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Calibrated brightness proportion ratio	R: G: B = 30%:60%:10%	
Color temperature	3,500°---9,500° K(adjustable)	
Contrast ratio	4,500:1	
Brightness adjustment(dimming)	100 grade auto/manual-adjustment	
View angle(degree)(50% brightness)	Horizontal: 120° (60° off center); Vertical: 70° (+25°/-45° off center)	
Readability viewing angle	Horizontal: 150° (75° off center); Vertical: 90° (+35°/-55° off center)	
Color capability	4.4 trillion	
Refresh rate(Hz)	>800 Hz	
Frame frequency(Hz)	>60 Hz	
Interface port	DVI interface(DVI connector)	
Input signal	VGA, Video, AVI, MOV, MPG, DAT, VOB etc.	
Protection grade	IP65 front side/IP54 backside	
LED Drive	Constant-current drive	
Lifetime(hours)(50% brightness)	100,000 hours	
Signal transmission direction	Horizontal	
Operating temperature(Celsius degree)	-30-65'	
Storage temperature(Celsius degree)	-35-70'	
Operation humidity(RH)	0-95%	
Operation humidity(RH)	0-99%	
Servicing	Front and back serving optional	
Control mode	Synchronous & asynchronous available	
Communication options	Wire Ethernet, Fiber Ethernet,RF wireless,GPRS	
Power	120/240 V AC single phase(50-60Hz)	
Maximum power consumption(W/SQM)	750	
Average power consumption(W/SQM)	300	
Screen operation mode(scan/static)	1/4	
Module configuration(Pixels quantities of the module)	Length	16
	Height	16



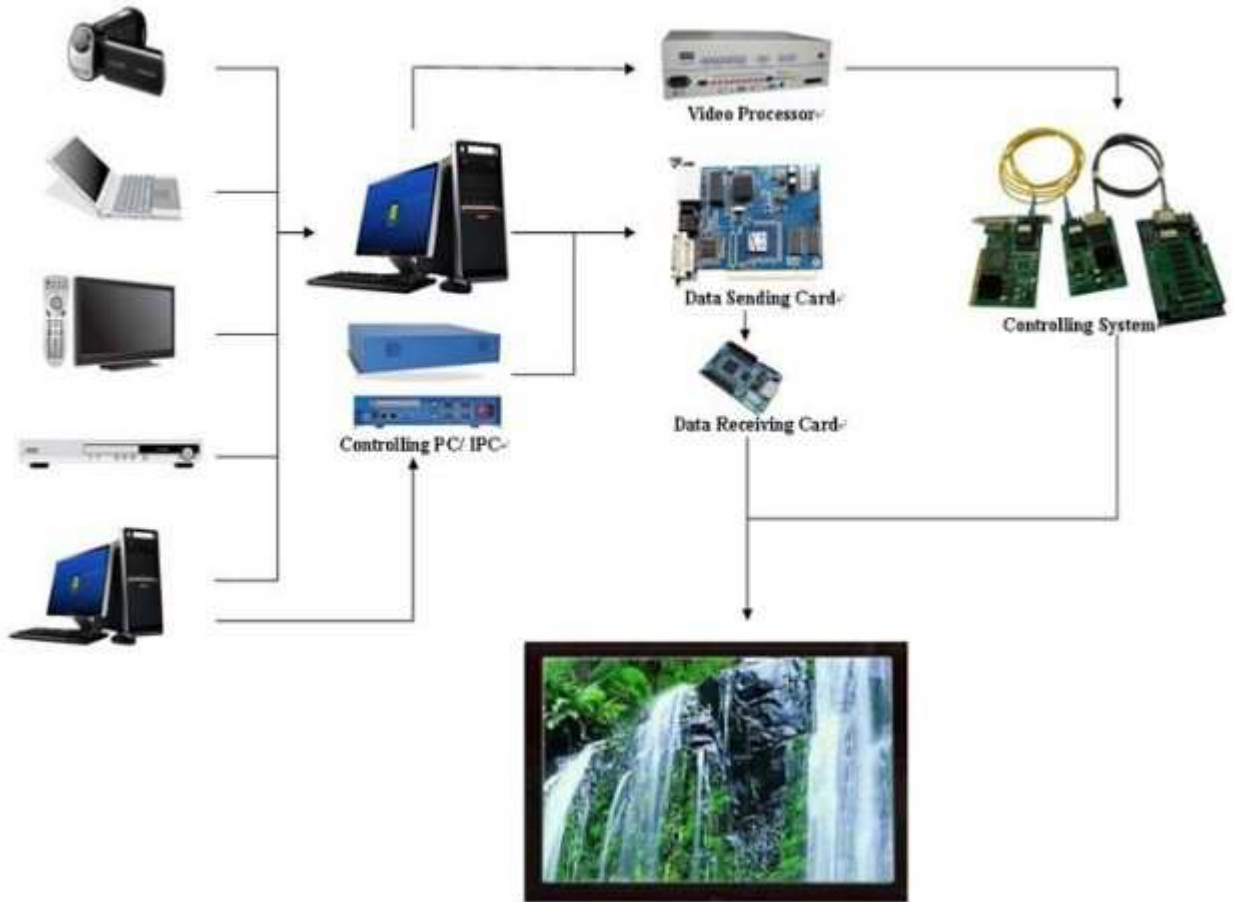
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Module dimensions(mm)	Length	160
	Height	160
Cabinet configuration	Length	8
	Height	6
Cabinet dimensions(mm)	Length	1280
	Height	960
	Width	170
Screen configuration	Length	3
	Height	3
Screen dimensions(m)	Length	3.8400
	Height	2.8800
Screen Size	SQM	11.0592
Recommend Optimal Viewing	Min	6
Distance: Minimum & Maximum	Max	136
Resolution ratio(dots/pixels)	Length	384
	Height	288
Aspect Ratio(L:H)	1.33333	
Packaging configuration	2 standard cabinets in a packing case(1 cabinet in 1 packing case when the unit cabinet is more than 1.5SQM)	
Packing material	Wooden case/carton/flight case(optional)	
Packing quantities	5	
Packing volume(CBM)	4	
Packing Dimensions(mm)	Length	1385
	Height	1165
	Width	520
Packing weight(KG)	net	829
	gross	1120



### LED display screen control system connection diagram



### Module-Cabinet-LED display screen configuration diagram

## DISPLAY STRUCTURE

