



深圳市齐普光电子有限公司  
SHENZHEN CHIP OPTECH CO.,LTD.

**PH20MM OUTDOOR FULL COLOR VIRTUAL PIXEL LED DISPLAY**

Product model number	PH20SOVL1-T16x8
<b>1.Pixel</b>	
Pixel LED	546
Pixel configuration	1R, 1G, 1B
Wave length (nm)	R: 626-628, G: 518-520, B: 466-468
Pixels pitch (mm)	20
<b>2.Module</b>	
Module size (mm)	320 * 160 * 20
Module resolution(pixel)	16 * 8
<b>3.Unit cabinet</b>	
Module quantities in a cabinet	4(L) * 6 (H)
Unit cabinet size (mm)	1280(L) * 960(H) * 180
Unit cabinet resolution(pixel)	64 * 48
Unit cabinet material	Aluminum metal alloy or Iron
Weight (kg/cabinet)	Aluminum : 65 or Iron : 75
<b>4.Packaging</b>	
Packing way	Two unit cabinets packed into one packing box
Packing box material	Wooden case or Flight box
Packing box size(mm)	1400(L) * 1150(H) * 550



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<b>5.Electricity parameter</b>	
Physical pixel density (pixel/m <sup>2</sup> )	2500
White balance brightness(nit)	≥5600
Color temperature(k)	5000—9500 (choice by user)
Brightness adjusted	100 grade by software, or by Auto-optic induced
View angle	Horizontal 110°, Vertical 70°
Best viewing distance(m)	>14
Communication distance (m)	Internet Wire: 120 Fiber Cable: 1000
Driving method	Static
LED driving method	Constant driving current
Gray grades	16384 levels for each color
Display color	4, 398, 046, 511, 104
Refresh frequency	≥400Hz
Picture display method	Dots to dots display synchronized with CRT
Picture display interface	DVI interface
Input signal	Video:PAL/NTSC:optioned.VGA,Svideo,DVD,TV
Display format	800 * 600, 1024 * 768, 1280 * 1024
Software	Support windows series system
Protection grades	IP65
Working temperature(°C)	-20 ~ +60



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Humidity(RH)	10 – 95%
Stored temperature (°C)	-30 ~ +70
Screen lifetime(hours)	≥100, 000
Out of controlled dots	≤3/100, 000 (Out of controlled dots means the dots of which the brightness and the wave length are both >10% depart to the normal one)
Whole display flatness	Less than 1mm Juncture
Maintance way	Back-maintained modules displaced
Switch power supply	Single Phase AC: 110V/60Hz or 220V/50Hz
Power consumption (w/m <sup>2</sup> )	Max: 750, Average: ≥400