



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-F16x8
1.Pixel	
Pixel LED	546
Pixel configuration	2R, 1G, 1B
Wave length (nm)	R: 626-628, G: 518-520, B: 466-468
Pixels pitch (mm)	20
Virtual pixels pitch (mm)	10
2.Module	
Module size (mm)	320 * 160 * 20
Module resolution(pixel)	16 * 8
3.Unit cabinet	
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 or Iron
Weight (kg/cabinet)	Aluminum : 65 or Iron : 75
4.Packaging	
Packing way	Two unit cabinets packed into one
Packing box material	Wooden case or Flight box



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Packing box size (mm)	1400 * 1150 * 550
5.Electricity parameter	
Physical pixel density (pixels/m ²)	2500
White balance brightness(nit)	≥5500
Color temperature(K)	5000—9500 (choice by user)
Brightness adjusted	100 grade by software, or by Auto-optic induced.
View angel	Horizontal 110°, Vertical 70°
Best viewing distance(m)	>14
Communication distance(m)	Internet wire: 120, Fiber cable: 1000
Screen work method	Static
LED driving method	Constant driving current
Gray grades	16384 levels for each color
Display color	4, 398, 046, 511, 104
Refresh frequency (Hz)	≥400
Picture display method	Pixels to pixels display synchronized with CRT
Signal interface	DVI
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



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Working temperature(°C)	-20 ~ +60
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 ²)	Max 900, Average: ≥450