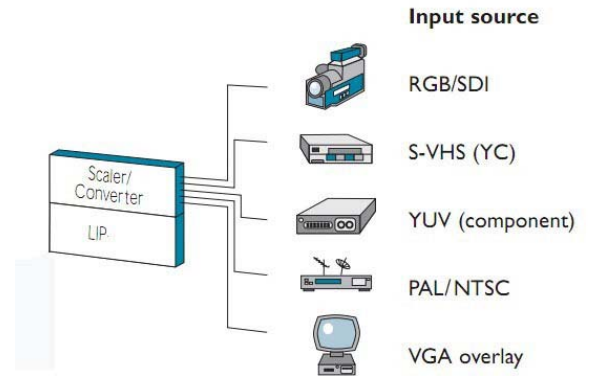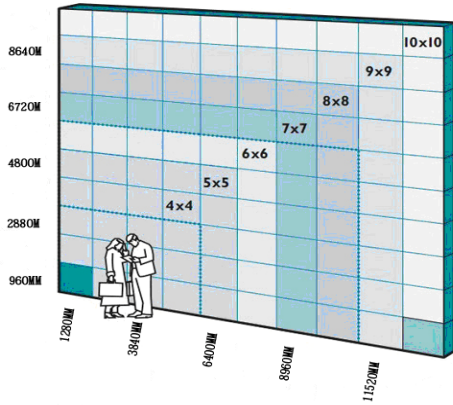# PH20 Virtual Led Display Brochure

Based on our PH20 real 2R1G1B, we developed PH20 virtual 2R1G1B, it is the ideal LED product for high quality small to large sized outdoor applications. The PH20 virtual has more close pixel pitches; it makes better and clearer images. This is ideally suited to outdoor led display, where high impact is needed.
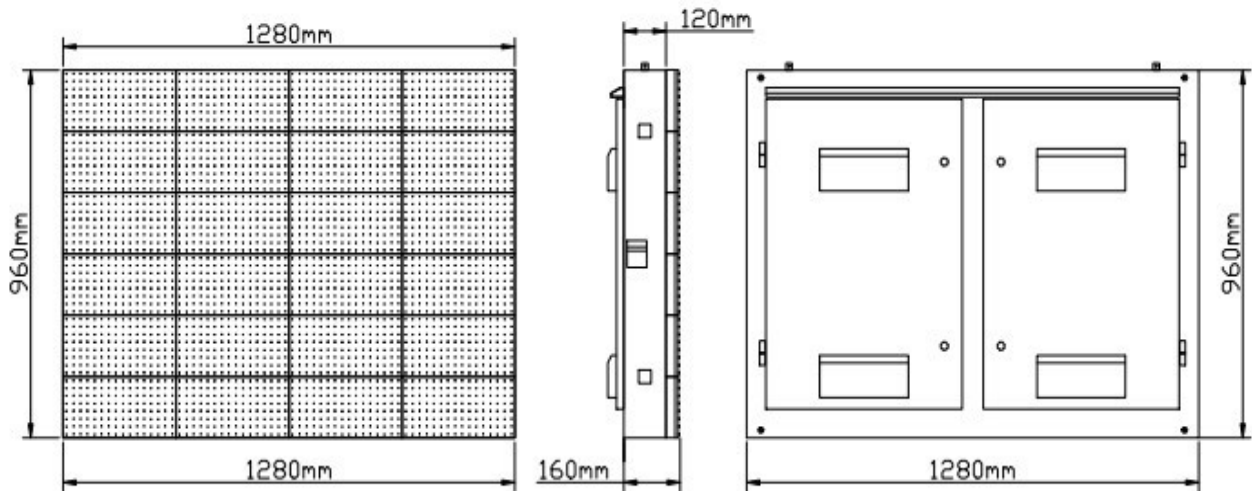
PH20 Virtual Led Display Brochure

Configurations

Input source

- RGB/SDI
- S-VHS (YC)
- YUV (component)
- PAL/NTSC
- VGA overlay

Quick Reference Guide

The cabinet drawing:

The specifications are as below:

- Pixel Pitch: 20mm/10mm
- Density of pixel: 2500pixels/㎡,10000 pixels/㎡(virtual)
- Brightness: >5500 cd/㎡
- Viewing angle: H:110°　V:50°
- LED specification: DIP546
- Pixel configuration: 2R1G1B
- Module size: 320mm x 160mm
- Module Pixel density: 32x 16dots
- Cabinet size:1280 x 960mm
- Driving method: Static constant current, virtual control.

- Refresh rate: ≥ 400 Hz
- Gray/Colour: 4096 grades Gray,1 billion colors
- Processing depth   14bit
- Control system: Synchronous/off-line control system
- Max. power consumption: 800W/㎡
- Lifetime:>100000hours
- MTBF: >5000hours
- Dead dot rate: <0.0001
- Temperature Range: Storage:－20℃-65℃；Working:－20℃~50℃
- Adopted Control System: PCTV Board +DVI Board +Control Board + Network cable Transmission
- Video Signal: RF、S-Video、RGB、RGBHV、YUV、YC、COMPOSITION etc
- Brightness adjustment: Manual adjustment: 256 levels for R, G, B ,
              Automatic adjustment: 256grades for each color
- LED parameter: R: (625-630nm)   G: (520-525nm)   B: (465-470nm)
              R: IV(450-500mcd)   G: IV(1600-1900mcd)   B: IV(350-400mcd)

Standard 4:3 aspect ratio(16:9 aspect also possible)

P20 panel	panel total	size (㎡)	Dimensions w x h(m)	Pixel resolution w x h	Total weight kg	Total (watts)	I Phase (220V,amps)	I Phase (110V,amps)
1	1	1.23	1.28x0.96	128x96	62	450	2	4
4x4	16	19.68	5.12x3.84	512x384	992	7200	32.7	65.5
7x7	49	60.21	8.96x6.72	896x672	3038	22050	100.2	200.4
8x8	64	78.64	10.24x7.68	1024x768	3968	28800	130.9	261.8
9x9	81	99.53	11.52x8.64	1152x864	5022	36450	165.7	331.4
10x10	100	122.88	12.8x9.6	1280x960	6200	45000	204.5	409.1

- Based on average power consumption.
- Alternative processing systems are available for larger screen sizes.
- Sino-Colour reserves the right to change any specifications without notice.