Rental

Sport

20mm

Football stadium screen

Features

➢ By using advanced manufacturing technology, our LED lamps have wide viewing angle, high brightness and extraordinary color consistency and color resolution, so it is very ideal to make live broadcast to the audience in large stadium

➢ Using Nichia or Cree brand of high brightness LED lamps to ensure the highest quality image display.

➢ 16bits processing depth, 2000Hz refresh rate, showing a true HD image, and data will not be lost in transmission

➢ Adopted backup system for power and controllers .thus, it can automatically or manually change to backup system when any parts of the system goes failure

➢ Functional software can carry out muti-playing windows in one screen. It

can display image, text, time, live score etc..

➢ The cabinet is made from Aluminum, its weight is very light , good for installation ,movement and heat dissipation.

➢ The usage of intelligent power supply enable the input power can be switched between 110V and 240V without manual operation.

➢ EMI filter inside cabinet is to block the electricity surge and ensure the LED Display get the qualified power so as to make the LED Display working stably

➢ The fans inside cabinet are controlled by temperature sensor switch , the fans will be running only when the temperature reach the certain value. This way can save energy

➢ Signal and power cable are with waterproof flight connectors, it can be connected fast on site.

➢ The usage of soft mask on module and patent soft cover on cabinet top prevent players from getting injured

➢ Back support on cabinet is adjustable , which can adjust the screen to an ideal angle.

1、Module

PARAMETERS		
Pixel Pitch	20mm	
Optimum viewing distance	15-50m	
Module resolution	16*8	
Physical density	2500 Pixels/sqm.	
Module size	320*160*25.5（mm）	
LED Encapsulation	DIP346 2R1G1B	DIP346 1R1G1B
Driving Method	Virtual static	Real static
Viewing angle	H: 110°; V:50°	
Module power consumption	44w	25w
Module weight	915g	850g
Refresh rate	800-4000Hz	
Brightness	≥6500nits	

2、箱体

Cabinet size	W1280mm x H960mm x D160mm	Brightness	5000-8000nits	
Cabinet material	Aluminum	Viewing angle	H: 110°; V:50°	
Aspect ratio	4:6	Processing depth	16bits	
Cabinet area	1.29sq.m	Life Time	＞100,000 hours	
Cabinet resolution	64*48	MTBF	＞5000 hours	
Cabinet weight	72 kg/㎡	Working voltage	110-240 AC±10% 50-60Hz	
Cabinet power consumption	1074w/㎡（virtual static） 610w/㎡（real static）	Working environment	-30℃ - +50℃/10-90％RH	

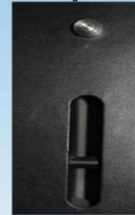| Cabinet array W*H	Cabinet quantity pcs	Size W*H (m)	Resolution W*H	Weight (kg)	Power consumption (W)
1X1	1	1.20*0.96	80*64	85	1250（for example ,virtua）
2X1	2	2.40*0.96	160*64	170	2500（for example ,virtua）
3X1	3	3.60*0.96	240*64	255	3750（for example ,virtua）
4X1	4	4.80*0.96	320*64	340	5000（for example ,virtua）

Unilumin

Cabinet photos
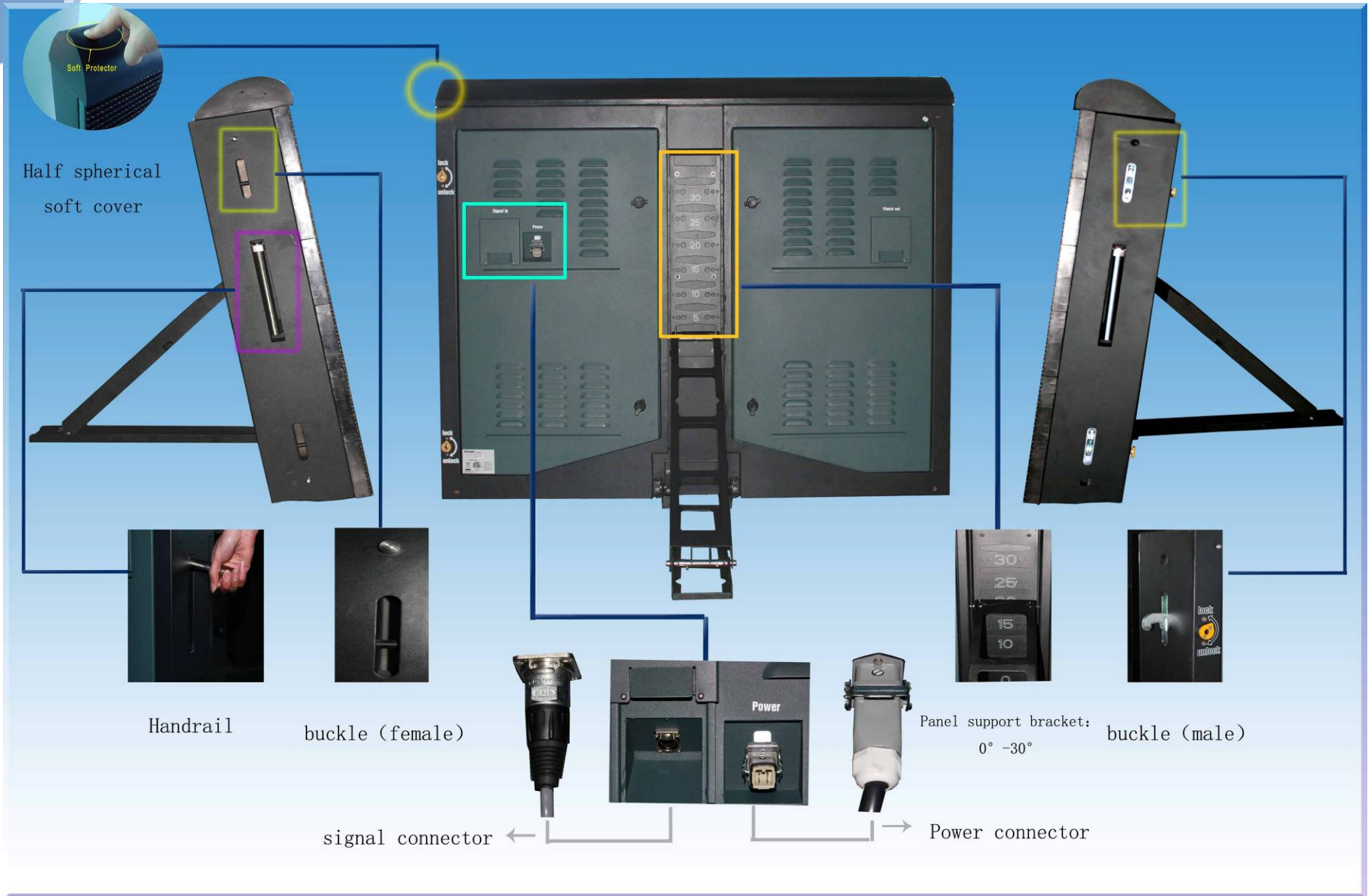
Half spherical soft cover

Handrail

buckle (female)

signal connector ←

Panel support bracket: 0° -30°

buckle (male)

Power connector →

BU20

Unilumin

支撑架
安装步骤
Bracket
Installation

① ② ③ ④ ⑤ ⑥ ⑦

30
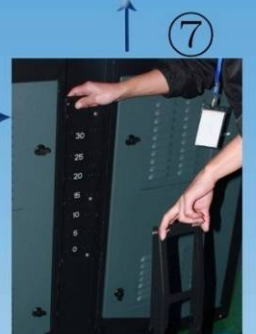
Cabinet mechanical drawing
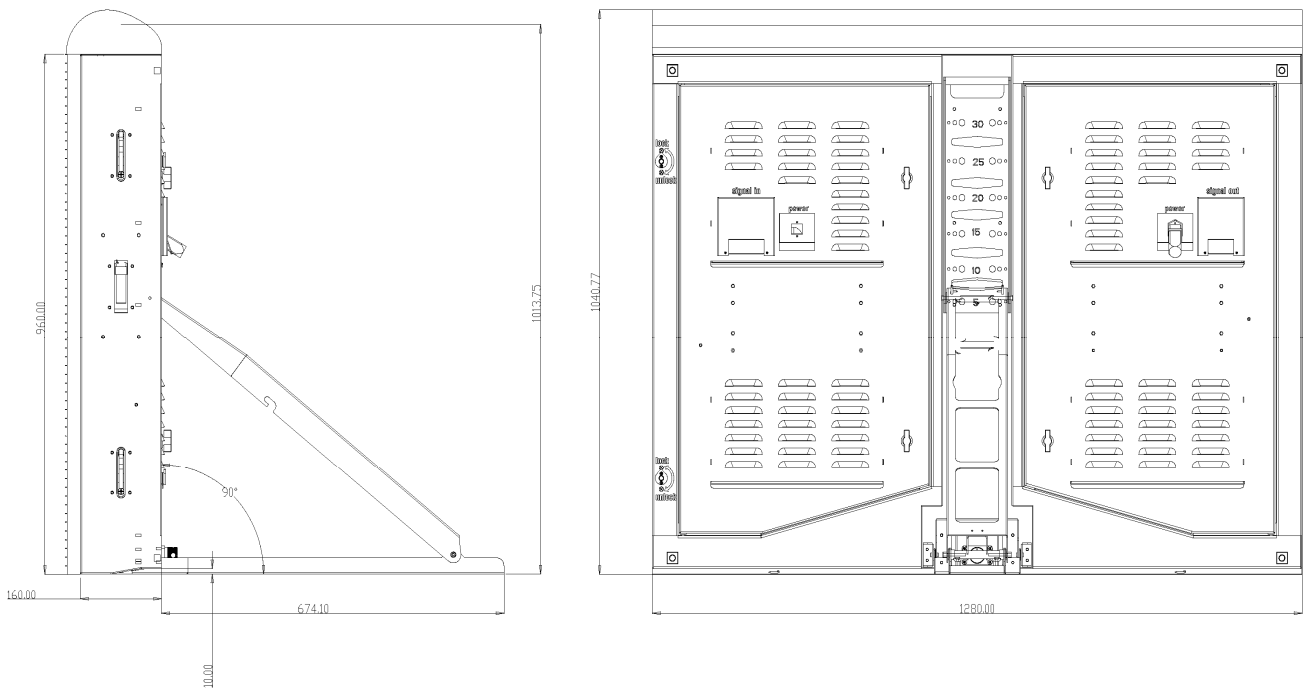
Unilumin

System/Power connection diagram

Unilumin 洲明

光纤线 SC TO SC fiber cable

网线 Lan cable

配电房
Power Transformer Room

AC 110/220V Input

显示屏 Screen

光纤收发器
Fiber converter

AC 220/380V Input

General Switch

AC 110/220V Input

网线 Lan cable

配电箱
Power Distribution

系统控制柜
System control box

Weight：78kgs

Video processor VSP618

optional
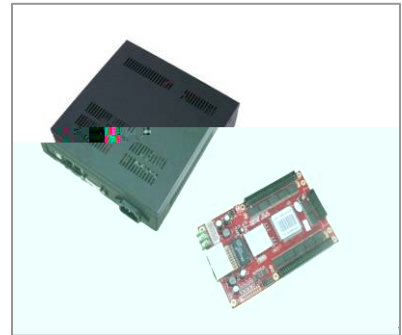
necessary

Sending card /receiving card

DVD player

optional

necessary

Computer

Audio/Video Matrix

optional

necessary

Monitor

Overall cabling diagram

LED SCREEN

LED SCREEN

Power distribution

Power distruibiton

LED screen

LED screen

System control box