Scoring & Timing Solution For Basketball

This is a general solution for LED display in stadium which has the functions of timing, scoring, 24S shot clock, displaying advertisement, notification, the information of referees and teams. It is an ideal choice for most of stadiums.

1. System Chart

1.2 System Structure Description

1) Two LED screens are controlled by separate computer which connects with LED sending card.
2) One laptop is equipped on the court working as Ultra score terminal special for referees' operation.
3) All computers are connected into LAN in stadium.
4) Both of the LED screens can show the same contents or different contents as required.
5) 24s shot clock installed on the basketball backboards for attach timing can be controlled simultaneously.

2. Specification for products

2.1Ultra Score Software

Products	Details
Standalone edition	◆ Installed on one PC. ◆ Supports: Basketball, Soccer, Volleyball, Tennis, Table tennis, Badminton ◆ English version ◆ Including 1 dongle
Network standard edition	◆ Terminal + 1 Display ◆ Supports: Basketball, Soccer, Volleyball, Tennis, Table tennis, Badminton ◆ English version ◆ Including 1 dongle
Network professional edition	◆ Terminal + Referee + 2 Display ◆ Supports: Basketball, Soccer, Volleyball, Tennis, Table tennis, Badminton ◆ English version ◆ Including 1 dongle

Difference:

Standalone Edition: Match management, Scoring, and Media display functions, all on one PC. The referee must operate on the PC for display directly.

It is suitable for the stadium where has just one screen, and don't have strict needs of the scoring and timing accuracy.

Network Standard Edition: The scoreboard and media display function can be put on an independent PC. So the referee can operate on the PC beside the field which don't need to connect to the screen directly.

It is Suitable for the stadium where has one screen, but need to scoring and timing beside the field.

Network Professional Edition: The referee can score beside the field. And the operation of advertising can be on an independent PC. There can also be several PCs for displaying scoreboard and advertising.

It is suitable for the stadium where has two or more screens, the referee need scoring beside the field, or the screens need display different contents. (For example one LED screen is for scoreboard and another is for advertising or player info).

Scoring interface for basketball

System Diagram:

Features

(1) Professional scoreboard: Scoring and timing operation, the layout of scoreboard meets the international game rules.

(2) Score function: Includes the operation and display of teams and players' point, foul and substitutions.

(3) Timing function: Includes the operation and display of game time, pause time, break time, count down time and system time.

(4) Referee control: Referees can make score on a special score console or by using a shortcut on the keyboard.

(5) Powerful media player: It supports a variety of media formats. It is easy to switch between the scoreboard and video.

(6) Notification: It supports roll to display various notifications on the screen which allows to set

the speed, colors, fonts freely.

(7) Customization: All contents in the scoreboard including fonts, color and layout can be modified to meet the effect of clients' needs.

(8) Self-adaptation: With easy configuration，score information can be displayed on kinds of LED and LCD screen by using this system which can adapt the score layout to any sizes of screen automatically.

(9) Security: Auto backup function will help you recover the match immediately from the computer fault.

2.2 Wired / Wireless Score Console

Item	Details
Wired / Wireless Score Console	Type: LSP-GC16 ◆ Support: basketball ◆ Functions: Modify score, foul, control the competition clock and shot clock, etc.

	Ultra Score Console
Size	330 x 290 x 140 (mm)
Net weight	3 KG
Box material	Plastic
screen	Full-colored 7” LED
Audio	6.5mm Audio Output
Power	AC 100V-230V
Network	LAN, WLAN
Language	Chinese, English

	Handy Match timer
Size	120 x 80 x 25 (mm)
Net weight	0.2 KG
Box material	Plastic

2.3 Lite Console

Item	Details
Lite Console	Type: LSP-GC15 Size: 265x220x100(mm) ◆ Used with the Ultra score software ◆ Communication: USB, RS485 ◆ With 4.3” color LCD screen ◆ Material: Iron + Plastic ◆ Support: basketball, volleyball, soccer ◆ Functions: Modify team score, team foul, control the match timer and shot clock, etc.

2.4 Basketball Shot clock

24s Shot clock	
Type:	LSP-BASH-C
Size:	590x580x55(mm)
Display	Two sides (see through Shot Clock)

24s Shot clock	
Type:	LSP-BASH-S
Size:	600x520x110(mm)
Display	Single side

24s Shot clock	
Type:	LSP-BASH-T
Size:	600x600x600(mm)
Display	Three sides

24s Shot clock	
Type:	LSP-BASH-Q
Size:	650x650x510(mm)
Display	Cube

Detailed parameters

Type	LSP-BASH-C Two Sides	LSP-BASH-S Single Side	LSP-BASH-T Three Sides	LSP-BASH-Q Cube
Basic parameters				
Size	590x580x55(mm)	600x520x110(mm)	600x600x600(mm)	650x650x510(mm)
Input Voltage	AC 100V~230V	AC 100V~230V	AC 100V~230V	AC 100V~230V
Total Power	40W*2	52W*2	110W*2	110W*2
Housing material	Aluminum+ Plastic	Iron	Iron	Iron
Weight	15KG	18KG	25kg	30kg
Implementation of standards	International Sports Competition Rules			
Product Configuration				
Packing List	Display* 2 Cable 45M * 2 Column * 2 Operating Instructions *1			
Screen Performance				
Best sight	Best Visual distance: 5M --- 100M Best viewing angle: 0 ° --- 90 °			
Refresh frequency	80HZ--90HZ			
Main Functions				

1. Minute timing: 0 - 99 minutes, and 0-59 seconds can be adjusted arbitrarily. With start, pause, and reset function.
2. Second timing: 0 - 99 seconds can be adjusted arbitrarily. With start, pause, and reset function.
3. Simultaneous display 24 seconds countdown with LED.
4. Simultaneous display 14 seconds countdown with LED.
5. Display pause countdown of the match.
6. Final automatic audible and visual alarm.

2.5 Basketball Rebounds Light

Item	Details
Basketball Rebounds Light	Type:LSP-B40 Size: 1700x950x25(mm) ◆ Working with basketball shot clock synchronously. ◆ Connecting with 24s shot clock, give light alarm at the end of the match or 24s offense happens.

Parameters

Basketball Rebounds Light	**Type:LSP-B40**
Size	1700x950x25(mm)
Input Voltage	DC—24V
Total Power	25W
Material	Aluminum, fiberglass PCB
Color	Silvery White
Weight	2kg
Implementation of standards	International Sports Competition Rules

2.6 Foul Display

Item	Details
Foul Display	Type: LSP-B20 Size: 310x200x150(mm) ◆ Trihedral displaying ◆ Fouls display of the match

Parameters

Foul Display	LSP-B20 Three sides display
Basic parameters	
Size	300x230x165(mm)
Input Voltage	AC90~264V 50~60Hz
Total Power	65W
Frame material	Iron
Weight	5KG
Implementation of standards	International Sports Competition Rules
Product Configuration	
Packing List	Host *1 Power Adapter *1 Instructions *1
Screen Performance	
Best sight	Best Visual Distance: 3M---100M Best viewing angle: 0°---90°

Refresh frequency	80HZ--90HZ
Main Functions	

1. Team fouls 0-9 times will be set arbitrarily.
2. After each team fouls reached fouls provisions, the screen will bright and flash three times to give alarms.
3. Using single chip microcomputer control software set times and the last set of data can be preserved for a long time.
4. Fouls input will be saved automatically after power off.
5. Easy to operate, each key on the console printed representative function words or symbols and it in line with international competition rules.

2.7 Possession (arrow) screen

Item	Details
Possession (arrow) screen	Type: LSP-B10 Size: 410x200x100(mm) ◆ 1 Single side LED screen ◆ Show offensive direction of home team or guest team.

Parameters

Possession (arrow) screen	LSP-B10 (Single display)
Basic parameters	
Size	390x220x60(mm)
Input Voltage	AC90~264V 50~60Hz
Total Power	15W
Frame material	Iron
Weight	3KG
Implementation of standards	International Sports Competition Rules
Product Configuration	
Packing List	Host *1 Power Adapter *1 Instructions *1
Screen Performance	
Best sight	Best Visual Distance: 3M---100M Best viewing angle: 0°---90°
Refresh frequency	80HZ--90HZ

2.8 Electronic Buzzer

Item	Details
Electronic Buzzer	Type： LSP-B30 Buzzer for tips as the competition required.

Parameters

Buzzer	LSP-B30
Basic parameters	
Input Voltage	AC~220V±5%
Total Power	35W
Color	Black
Weight	1KG
Product Configuration	
Packing List	Host *1 Power Adapter *1
Refresh frequency	80HZ--90HZ