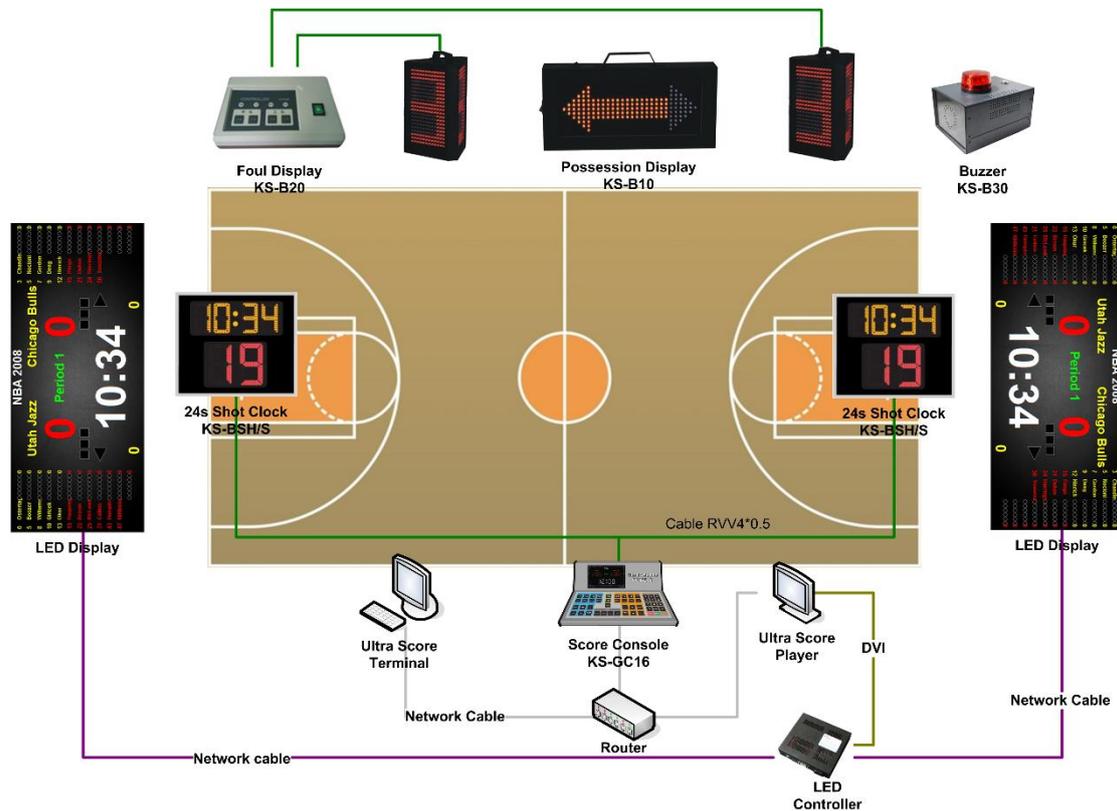


LED Proposal for Basketball Stadium

This is a general solution for LED display in basketball 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



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. Configuration List

Products	Type	Quantity
Full-color LED Screen	P10	2
Ultra Score Software	Network standard edition	1
Score Console	KS-GC16	1
Shot Clock	KS-BASH/S	2
Bracket of Shot Clock	KS-BASH/A	2
Cable	RVV4*0.5	2
Basketball Backboard Light Frame	KS-B40	1
Possession (arrow) Screen	KS-B10	1
Foul Display	KS-B20	1
Electronic Buzzer	KS-B30	1
Computer	/	2
Router	/	1
Network Cable	/	Several

3. Specification for products

3.1 Ultra Score Software

Products	Details
Standalone edition	<ul style="list-style-type: none">◆ Installed on one PC.◆ Supports: Basketball◆ English version◆ Including 1 dongle
Network standard edition	<ul style="list-style-type: none">◆ Terminal + 1 Display◆ Supports: Basketball◆ English version◆ Including 1 dongle
Network professional edition	<ul style="list-style-type: none">◆ Terminal + Referee + 2 Display◆ Supports: Basketball◆ 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

Score

2010 FIBA World Championship

Argentina **Brazil**

0 **Period 1** 0

10:00

0 0

4	Scola	○○○○○	0
5	Aimar	○○○○○	0
6	Gonzalez	○○○○○	0
7	Oberto	○○○○○	0
8	Juan G.	○○○○○	0
9	Sequeira	○○○○○	0
10	Delfino	○○○○○	0
11	Alfredo	○○○○○	0
12	Gutierrez	○○○○○	0
13	Nocioni	○○○○○	0
14	Jasen	○○○○○	0
15	Federic	○○○○○	0

4	Machado	○○○○○	0
5	Santos	○○○○○	0
6	Becker	○○○○○	0
7	Neto	○○○○○	0
8	Garcia	○○○○○	0
9	Huertas	○○○○○	0
10	Barbosa	○○○○○	0
11	Varejao	○○○○○	0
12	Giovannoli	○○○○○	0
13	Batista	○○○○○	0
14	Morena	○○○○○	0
15	Tiago	○○○○○	0

Player

2010 FIBA World Championship

Argentina **Brazil**

Manager: **Manager:**
Coach: **Coach:**
Players: **Players:**

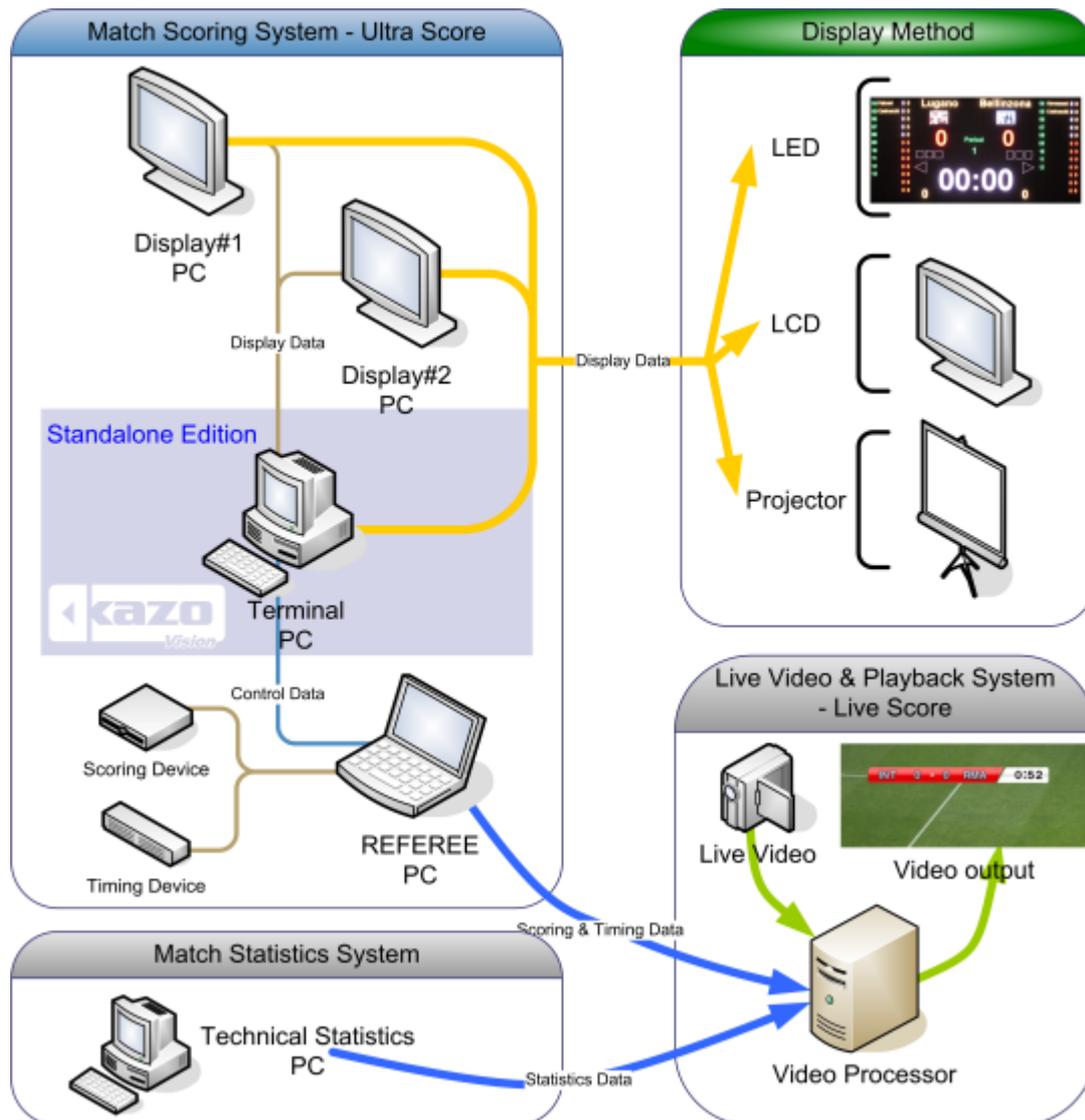
No	Name	No	Name
4	Scola	4	Machado
5	Aimar	5	Santos
6	Gonzalez	6	Becker
7	Oberto	7	Neto
8	Juan G.	8	Garcia

Referee

2010 FIBA World Championship

Name **Region**

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.

3.2 LED Screen

The following parameters just for reference:

Item	Parameters
Physical spacing	10mm
Module size	160×16mm
Physical density	10000dots/m2
Light point color	1R1G1B
LED package format	SMD5060
Resolution	16×16
Module power	25w
Maximum power consumption	1400w
Best viewing distance	10M
Best view (Horizontal)	H:120°V:120°
Box size	1440×96mm
Box resolution	144×96
Box weight	130kg
Drive method	1/2Static constant current
Frame frequency	≥60Hz/s
Refresh frequency	≥400Hz/s
White balance intensity	≥6000Nits
Temperature	-30℃ - +50℃
Protection class	Front/Rear:IP65/IP43
Voltage	110-220VAC+/-10%
Gray level	Displaying colors≥16.7M(Synchronized)
Intensity adjustment mode	256 levels of each color(manually),8 levels of each color(automatically)
MTBF	> 5000 hours
Life	> 100000 hours
Noise ratio	< 0.0001

3.3 Wire / Wireless Score Console

Item	Details
Wire/Wireless score console	Type: KS-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

3.4 Basketball Shot clock

Item	Details
24s Shot clock	Type: KS-BSH/S Size: 520x440x110(mm) <ul style="list-style-type: none"> ◆ Single side ◆ 2 LED screen ◆ Can be synchronized with the software
24s Shot clock	Type: KS-BSH/T Size: 600x600x600(mm) <ul style="list-style-type: none"> ◆ Three side ◆ 2 set of 3 side LED screen ◆ Can be synchronized with the software
24s Shot clock	Type: KS-BSH/C Size: 600x600x600(mm) <ul style="list-style-type: none"> ◆ Cube ◆ 2 set of 4 side LED screen ◆ Can be synchronized with the software



3.5 Foul Display

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



3.6 Possession (arrow) screen

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



3.7 Electronic Buzzer

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



3.8 Basketball Backboard Light Frame

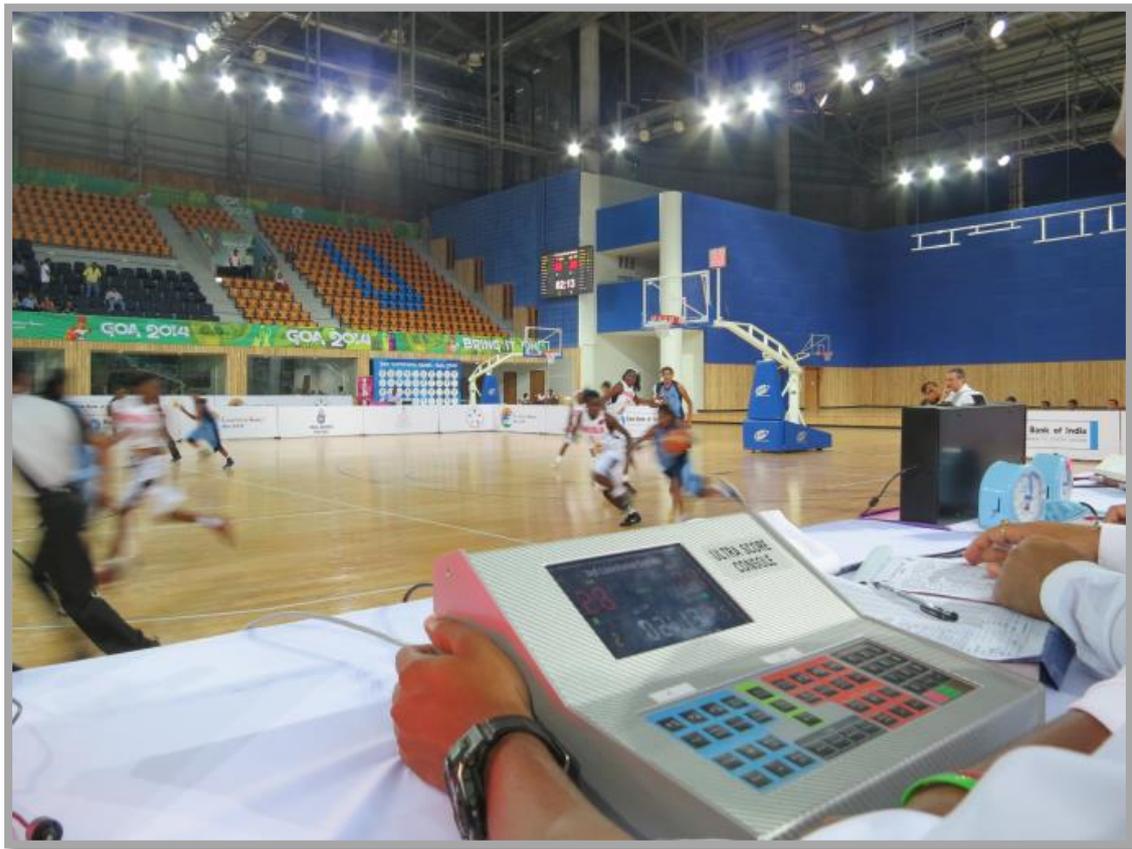
Item	Details
Basketball Backboard Light Frame	Type: KS-B40 Size: 1700x950x25(mm) ◆ Working with basketball shot clock synchronously. ◆ Connecting with 24s shot clock, give light alarm at the end of the match or 24s offense happens.



4. Success Stories

2014 January, Lusofonia Games Goa 2014, India

The Lusofonia Games 2014 which held in Goa India, used our Basketball Scoring System. With the excellent products and professional on-site service of our team, the game achieved complete success.



2013 October, Den Helder Kings Club, Nederland



2013 June, Zhejiang Jinhua Stadium



2013 April, Shanghai Sports School

Shanghai Sports School used our basketball game scoring system for daily training and various matches.



2012 August, Nike Festival of Sports

Nike Festival of Sports held by Nike is an annual event loved by a large number of enthusiasts. In the basketball tournament of current Nike Festival of Sports, our basketball scoring system was used to scoring and timing. It also used our new product "Sports Live Video System". It transmitted the real-time score and time video signal in high definition and then displayed the field information on LED screen after the video signal was switched.



2012 June, CBA Basketball League Youth Club



2012 March, Four Continents Youth Basketball Challenge

2012 "Sanbaishan Cup" Four Continents Youth Basketball Challenge was held in AnYuan stadium. The basketball team from Australia, United States, Lithuania, and China brought audience several exciting matches.



2010 August, China and Cuba Women's Basketball

The match scoring system was used in women's basketball competition between China and Cuba in Shenmu, Shanxi province. The scoreboard was synchronized with 24s device and realized the precise timing and scoring.



2009 November, 2009 – 2010 TeBu China WCBA

Shanghai division of the 2009-2010 TeBu China WCBA is held in the Shanghai University Stadium. And our competition scoring system was used to display the scores and events information on the LED screen successfully.

