Scoring & Timing System For Tennis

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

1. System Structure

1.2 System Structure Description

1) The system has the functions of scoring, timing and displaying in the mode of one court and multi courts.
2) In every court, one set of wireless scoring tablet, scores display controller and LED monitor shall be equipped to manage and display the information of the score, players and sets.
3) The score information of every court will be gathered to display on the LED screen at the same time.
4) The referee will use a wireless score controller or tablet to score on site. The score data will display on the LED screen simultaneously via the wireless network.
5) Ball speed radar and wind speed indicator are also provided to transfer environmental data to the PC.
6) It supports tournament schedule and result exporting.
7) It also has lots of multi-media functions which can switch between scores and

advertisements display.

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 tennis

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 Wireless Score Controller (tablet)

Products	Details
Wireless Score Controller	Type： LSP-GC14 ◆ Including one license of Lightscore software ◆ Support： Basketball, handball, football， Tennis ◆ Ram： 8G ◆ Supporting WIFI ◆ Full colored touch screen

2.3 Ball Speed Radar

Item	Details
Ball speed radar	Type: LSP-TE10 ◆ Speed Range: 5-890MPH ◆ Accuracy: +/-0.1 MPH ◆ Max Distances: 300 feet ◆ Support： Tennis ◆ The radar is compatible with Ultra score software. ◆ Track tennis ball speed on serves and returns from courtside game after game.

2.4 Wind Speed Sensor

Item	Details
Wind Speed Sensor	Type: LSP-TE20 ◆ Weight: 0.5 KG ◆ Compatible with Ultra score software. ◆ Gather the wind speed on the court, and display on the scoreboard.

Parameters

Output	Unit: m / s, miles / h, feet / min Output frequency: 0.25, 0.5, 1, 2 or 4 times per second
Wind speed	Range: 0-60m/s Accuracy: ±2% (12m/s) Resolution: 0.01m/s
Wind direction	Range: 0-359 ° Accuracy: ±3 °(12m/s) Resolution: 1 °
Communication	RS422,RS485
Working environment	Moisture resistant: IP65 Working temperature: -35℃～70℃ Storage temperature: -40℃～80℃ Humidity: 5%～100%