Timing& Scoring System For Ice Hockey

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

1. System Structure

Description:

1) A wireless router shall be set up on the local network.
2) The referee will use a score console to score on site. The score data will display on the LED screen simultaneously via the wireless network.
3) The lineman will use a handheld controller which connects with the score console by 4 core cable to control the goal lights.
4) The lineman will press the scoring button when the player get a goal and the red indicator will light up. At the same time, score information will be transmitted back to the console, waiting for the referee's confirmation and process.
5) The break timing between innings can be opened automatically or manually and the green indicator light will be turned on automatically.
6) Break time display will be equipped in player rest area to countdown the break time which is controlled by the main console through Ethernet cable directly.

2. Specification for products

2.1 Ultra Score Software

Products	Details
Standalone edition	◆ Installed on one PC. ◆ Supports: Ice Hockey ◆ English version ◆ Including 1 dongle
Network standard edition	◆ Terminal + 1 Display ◆ Supports: Ice Hockey ◆ English version ◆ Including 1 dongle
Network professional edition	◆ Terminal + Referee + 2 Display ◆ Supports: Ice Hockey ◆ 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 ice hockey

Player interface for ice hockey

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 Score Console

Products	Details
Score console	Type: LSP-GC16 ◆ Size: 330x290x140(mm) Net weight: 3kg ◆ Used with the Ultra score software ◆ Communication: 1*Ethernet, 1*WIFI ◆ With 7" full color LCD screen ◆ Functions: Modify score, 2/5/10 min penalty, control the match clock, etc.

2.3 Wireless Score Controller (tablet)

Products	Details
Wireless Score Controller	Type：LSP-GC14 ◆ Including one license of Lightscore software ◆ Support: Ice hockey ◆ Ram：8G ◆ Supporting WIFI ◆ Full colored touch screen

2.4 Light Indicator

Products	Details
Light Indicator	Type： LSP-ICLI Size： 500x100x180 (mm) Weight: 0.6 KG ◆ Light the RED light on goal. ◆ Light the GREEN light on match timer stopped and at the end of period. ◆ Including one handy controller

2.5 Break timer

Products	Details
Break Timer	Type： LSP-IH30 Size： 542x275x78 mm Color： Yellow Support： Count down Communication Interface： RJ45 network cable

3. Success Stories

2015 November, Shanghai Sanlin Sports Center

2015 July, Beijing Tiger Hockey Club