Scoring & Timing Solution for Skateboarding

1. Introduction

This is a professional solution for LED scoreboard display in Skateboarding competition.

The system functions conform to international competition rules.

Match arrangement, real-time scoring & timing display, players' & referees' info display, rank statistics export & print, slow motion video record & playback, and advertising display can be realized through the coordination of Match Scoring System, Meet Management System, Video Arbitration System, etc.

1.1 System Architecture

The whole system is composed of several subsystems, including: Match Scoring System, Meet Management System and Video Arbitration System.

Each subsystem can not only work independently, but also work together to share the data.

It is flexible for customers to configure according to the actual application.

● **Match Scoring System**

Match Scoring System named ULTRA SCORE is composed of Ultra Score Software, Referee Scoring Software, SCB Viewer, Wireless Score Tablet, etc.
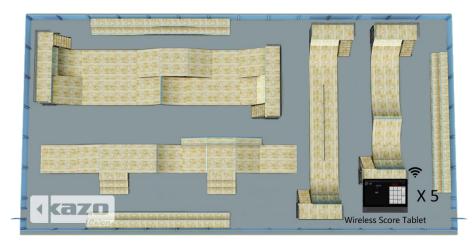
It is mainly operated by the referees to realize the scoring and timing work and real-time scoreboard display.
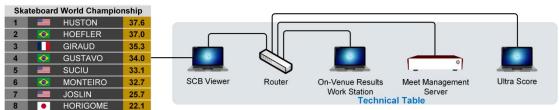
● **Meet Management System**

It is composed of Meet Management Server, On-Venue Results Workstation, Printer, etc.

Linking with Online Registration System and Match Scoring System, it can realize: participants management, match schedule, result management, court arrangement, rank statistics, etc.

1.2 System Structure

Skateboard World Championship

1	🇺🇸	HUSTON	37.6
2	🇧🇷	HOEFLER	37.0
3	🇫🇷	GIRAUD	35.3
4	🇫🇷	GUSTAVO	34.0
5	🇺🇸	SUCIU	33.1
6	🇧🇷	MONTEIRO	32.7
7	🇺🇸	JOSLIN	25.7
8	🇯🇵	HORIGOME	22.1

System Description

1) **LAN:** A LAN is set up in the stadium. Connect the LED control PC, Ultra Score Terminal PC, Match Scoring & Timing Host, Referee Scoring & Timing Terminal, Meet Management Server, On-Venue Results Workstation and Printer to the LAN.

2) **LED Screen:** One or two LED screens are controlled by separate computers which connect with LED sending cards. Both of the LED screens can show the same contents or different contents as required.

3) **Wireless Score Tablet:** 5 Wireless Score Tablets are used together with Ultra Score software for referee scoring.

4) **Meet Management Server:** It is the core data processing equipment which is installed in the Technical Table and connected to the LAN by network cable.

1.3 Product Configuration

Product	Type	Qt.
Match Scoring System		
Ultra Score Software	◆ Standalone Edition ◆ Support: Skateboarding	1
Score Display Software	SCB VIEWER	1
Wireless Score Tablet	KS-GC14	5
Match Timing Screen (Single Line)	KS-SCRN-LED960160	1
Meet Management Server	KS-MMS-MINI	1
PC	/	2
Printer	/	1

2. Specification for products

2.1 Ultra Score Software

Products	Details
Ultra Score	◆ Standalone edition ◆ Supports: Skateboarding ◆ English version ◆ Including 1 dongle

Scoring interface for Skateboarding:

2.2 Score Display Software

Products	Detail
Score Display Software	Type: SCB VIEWER Support: Skateboarding Functions: ◆ Layout of scoreboard can meet international game rules. ◆ All contents on the scoreboard including fonts, color and layout can be modified to meet clients' needs. ◆ Used for displaying player information, score and bureau score of a single court. ◆ Used for displaying player information, score and bureau score of multiple sites. ◆ The summary display screen can automatically adjust the display layout according to the competition process. ◆ The picture is updated in real time according to the referee's operation. ◆ Automatic data backup. In case of computer failure or power failure, the previous screen will be restored after restart.

Skateboard World Championship

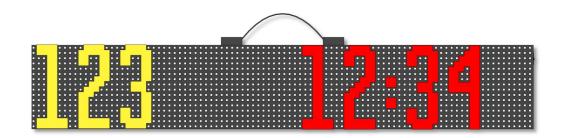|		Player	Score
1	🇺🇸	HUSTON	37.6
2	🇧🇷	HOEFLER	37.0
3	🇫🇷	GIRAUD	35.3
4	🇧🇷	GUSTAVO	34.0
5	🇺🇸	SUCIU	33.1
6	🇧🇷	MONTEIRO	32.7
7	🇺🇸	JOSLIN	25.7
8	🇯🇵	HORIGOME	22.1

2.3 Wireless Score Tablet

Products	Details
Wireless Score Tablet	Type：KS-GC14 ◆ Including one license of Lightscore software ◆ Screen: 10"inch 2560*1600IPS ◆ Ram：3GB ◆ Storage: 32GB ◆ Battery: 9300mAh ◆ System: Android 6.0 ◆ Supports：Skateboarding ◆ Communication: WIFI ◆ Full colored touch screen

2.4 Match Timing Screen (Single Line)

Products	Details
Match Timing Screen (Single Line)	Type: KS-SCRN-LED960160 Size: 960*160*100(mm) Material: Aluminum Input: 48V DC Function: ◆ Must be used together with Skateboarding Scoring Software. ◆ Display athlete's number and match time.

Kazo Vision
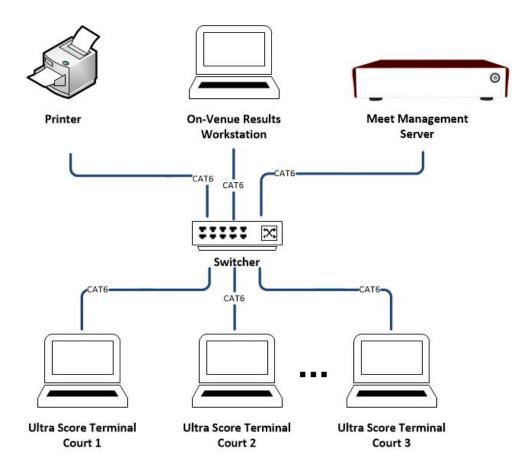WEB: http://www.kazovision.com   MAIL: sales@kazovision.com

2.5 Meet Management System

It is composed of Meet Management Server, On-Venue Results Workstation, Printer, etc.

Linking with Online Registration System, Match Scoring System and Basketball Stats System, it can realize:

1) **Participants Management:** Information management of players, teams and referees. Both import and input registration form are available. And auto generate the order form.
2) **Match Schedule:** Auto draw the players' lots. Multi-project arrangement make the schedule more smoothly. Auto generate the bracket, order form and round form.
3) **Result Management:** Receive or record the results. Determine the players' rank, admission or elimination at each stage. Print the results announcement and send to the LED display system, TV broadcasting system and comprehensive meet manage system.
4) **Technical Statistics Arrangement:** Combine with the basketball stats software, it can summarize the info of teams' score, teams' timeout, teams' foul, players' substitution, players' foul, players' comprehensive results, and generate the integrated report.

2.5.1 System Diagram

2.5.2 Meet Management Server

Products	Details
Meet Management Server	Type：KS-MMS-MINI Size: 170x150x35 (mm) Weight: 1.0 KG Features: ● Multi-court arrangement, auto generate the order form. ● Multi-project arrangement, make the schedule more smoothly. ● Monitor the status of each court in real time, including the current field, rotation and player info. ● Court adjustment, can manually modify the match court and session info. ● Summary and print integrated report.