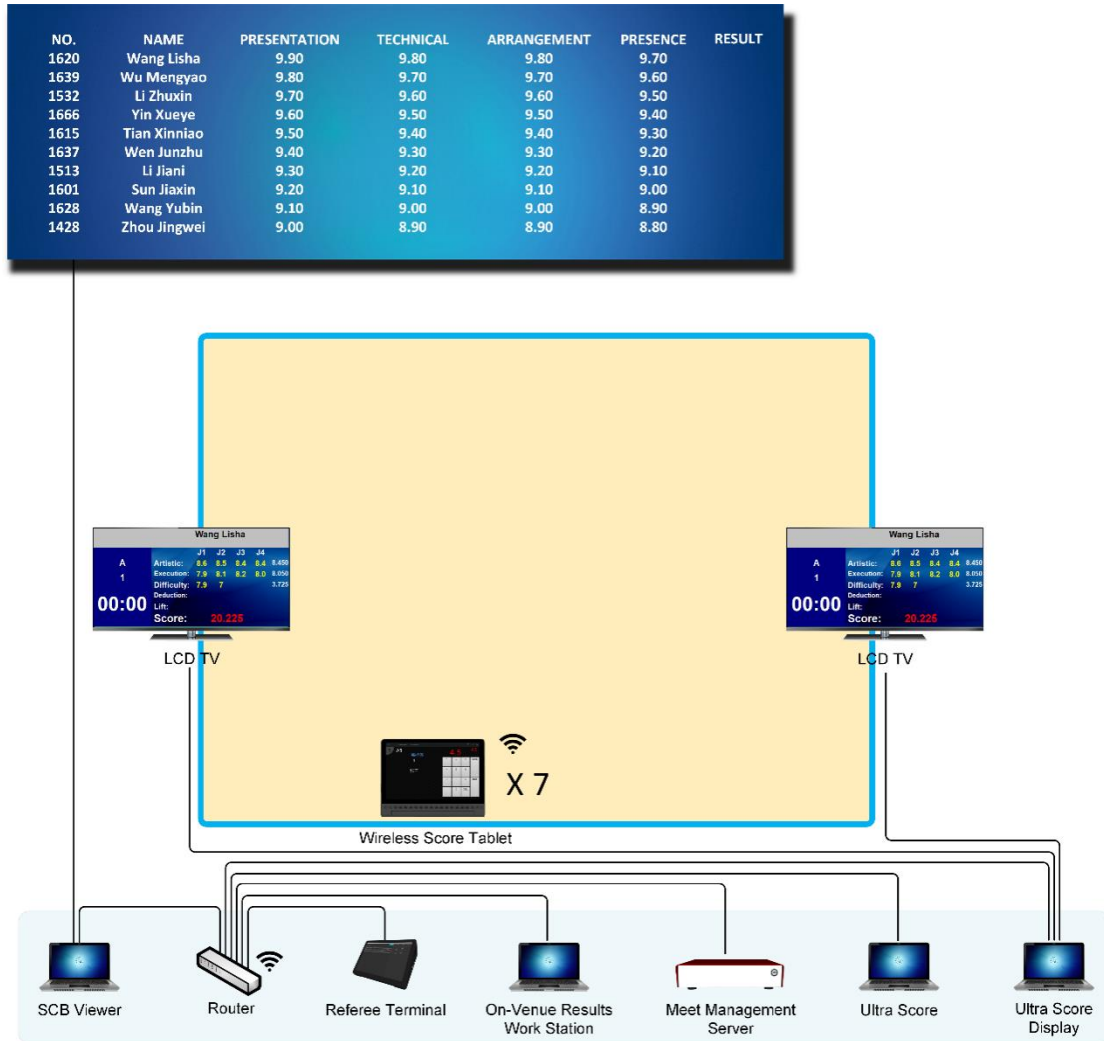# Scoring & Timing Solution
for Dance Sport

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

1. System Structure

1.1 Profile:

1) **LAN:** A LAN/WLAN is set up in the stadium. Connect the LED control PC, Ultra Score Terminal PC, Referee Terminal, Wireless Host, Match Timer, 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) **LCD TV:** 1-2 LCD TVs sets in each court are connected to the referee's computer in each court through video cable for real-time display of single-court scoreboard.

4) **Referee's Computer:** A referee's computer installed with Ultra Score software is placed at the referee's table in each court for the timing and scoring of single-court match.

5) **Wireless Score Table:** Connect to the LAN via WiFi for match scoring.

6) **Referee Terminal：** Real-time access to referee scoring data, support match suspension or manual score change.

7) **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.

1.2 Product Configuration (for one court)

Product	Model	Qt.
Ultra Score Software	◆ Standalone Edition ◆ Support: Dance Sport	1
Referee Terminal	KS-RETM	1
Score Display Software	SCB VIEWER	1
Wireless Score Tablet	KS-GC14-I11	7
Meet Management Server	KS-MMS-MINI	2
PC	/	1
Printer	/	1

2. Specification for products

2.1 Ultra Score Software

Products	Details
Ultra Score	◆ Standalone edition ◆ Supports: Dance Sport ◆ English version ◆ Including 1 dongle
Ultra Score	◆ Standard network edition (Terminal + 1 Display) ◆ Supports: Dance Sport ◆ English version ◆ Including 1 dongle
Ultra Score	◆ Professional network edition (Terminal + Referee + 2 Display) ◆ Supports: Dance Sport ◆ English version ◆ Including 1 dongle

Difference:

Standalone Edition:

Match management, Scoring, and Media display functions, all in one installed on a PC. Referee must do operation on the PC for display directly.

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

Network Standard Edition:

Score terminal and media player functions can be installed on 2 PCs respectively. So that one independent PC can be setup on the courtside special for referee's operation, the other PC running as media player to manage the LED display.

It is suitable for the stadium where has one screen, needs to do the scoring and timing on the courtside.

Network Professional Edition:

Except the function of score terminal, 1-3 media players can be equipped on PCs separately, in order to display different contents on several LED screens.

It is suitable for the stadium where has more than 2 screens where referee need to do scoring on the courtside and LED screens need to display different contents separately. (For example, one LED screen is for scoreboard and another is for advertising or player info).
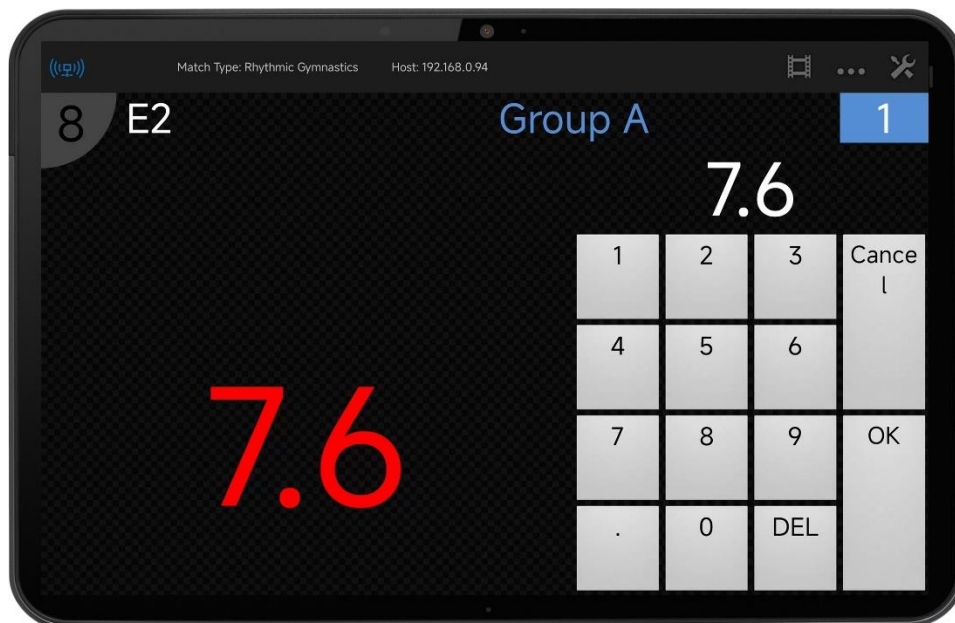
2.2 Score Display Software

Products	Detail
Score Display Software	Model: SCB VIEWER Support: Dance Sport 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.

NO.	NAME	PRESENTATION	TECHNICAL	ARRANGEMENT	PRESENCE	RESULT
1620	Wang Lisha	9.90	9.80	9.80	9.70	
1639	Wu Mengyao	9.80	9.70	9.70	9.60	
1532	Li Zhuxin	9.70	9.60	9.60	9.50	
1666	Yin Xueye	9.60	9.50	9.50	9.40	
1615	Tian Xinniao	9.50	9.40	9.40	9.30	
1637	Wen Junzhu	9.40	9.30	9.30	9.20	
1513	Li Jiani	9.30	9.20	9.20	9.10	
1601	Sun Jiaxin	9.20	9.10	9.10	9.00	
1628	Wang Yubin	9.10	9.00	9.00	8.90	
1428	Zhou Jingwei	9.00	8.90	8.90	8.80	

2.3 Wireless Score Tablet

Products	Details
Wireless Score Tablet	Model: KS-GC14-I11 ◆ Including one license of Lightscore software ◆ Screen: 11"inch ◆ Pixel: 1920*1200IPS ◆ Ram: 6GB ◆ Storage: 128GB ◆ Battery: 8000mAh ◆ System: Android ◆ Supports：Dance Sport ◆ Communication: WIFI ◆ Full colored touch screen

2.4 Referee Terminal

Products	Details
Referee Terminal	Model: KS-RETM Size: 281 x 173 x 39 (mm) Touch LCD: 11.6 inch Resolution: 1920*1080 OS: WIN 10 Communication: LAN / WLAN Hard Disk: SSD 180GB RAM: 8GB Video Output: HDMI*1 ◆ Monitor the scores of judges on the court in real time. ◆ Modify or remind the unreasonable grades. ◆ Achieve the overall control of the display score. ◆ View the current real-time ranking info.

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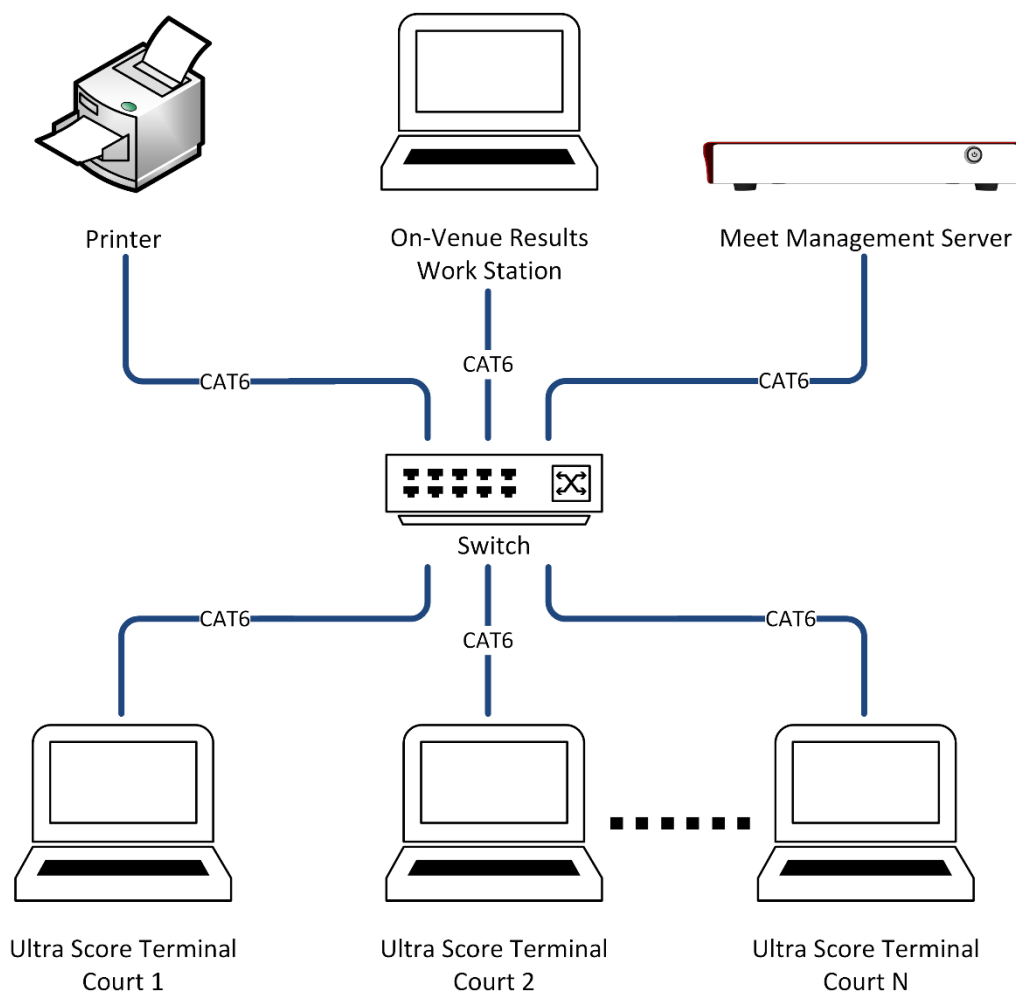WEB: http://www.kazovision.com   MAIL: sales@kazovision.com

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

Printer   On-Venue Results   Meet Management Server
               Work Station

CAT6   CAT6   CAT6

Switch

CAT6   CAT6   CAT6

Ultra Score Terminal   Ultra Score Terminal   Ultra Score Terminal
Court 1   Court 2   Court N

2.5.2 Meet Management Server

Products	Details
Meet Management Server	Model: KS-MMS-MINI Size: 260x135x35 (mm) Weight: 1.0 KG Input Voltage: 12V DC RAM: 4GB CPU: Intel J3160 Hard Disk: 64G Communication: LAN*1 Port: VGA*1, DP*1，USB*2 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.