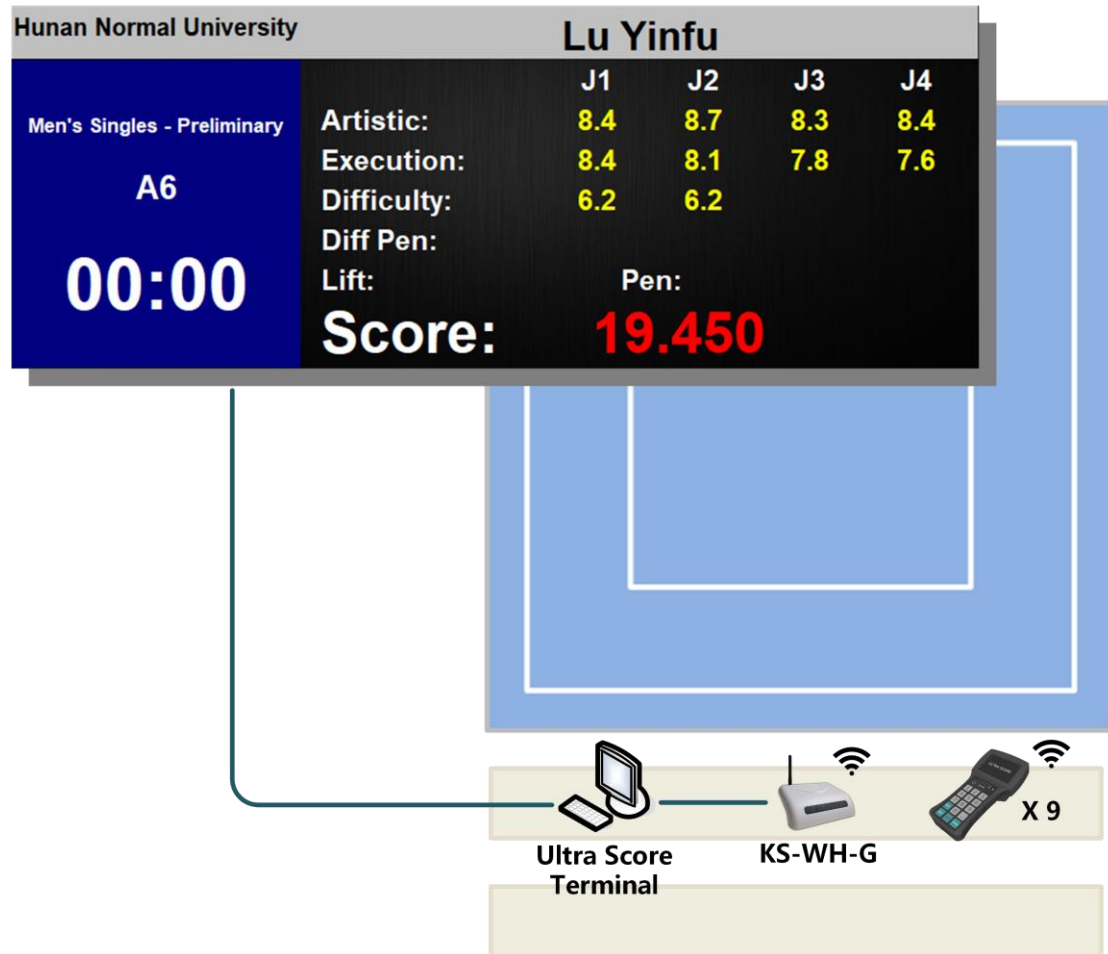


# Scoring & Timing Solution for Aerobics

This is a general solution for LED display in aerobics 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. It supports aerobics scoring and real-time display on the screen.
2. Install the Ultra Score software on the control computer.
3. Connect the wireless host (KS-WH-G) with the control computer via a USB cable.
4. Each court will be equipped with 9 sets of wireless handheld to operate the player's score.
5. The score information will be gathered displaying on the LED screen at the same time.

## 1.2 Product Configuration (for one court)

Product	Type	Qt.
<b>Match Scoring System</b>		
Ultra Score Software	◆ Standalone Edition ◆ Support: Aerobics	1
Wireless Host	KS-WH-G	1
Wireless Handheld	KS-GC17	9
Court Management Server	KS-CMS-G	1
PC	/	2
Printer	/	1
<b>Video Arbitration System</b>		
Video Arbitration Server	KS-PARROT-2C	1
Control Panel	KS-PARROT-CP	1
HD Camera	/	2
Tripod for HD Camera	/	2
SDI Cable	15m	2
LCD Monitor	21.5 inch	1

## 2. Specification for products

### 2.1 Ultra Score Software

Products	Details
Ultra Score	<ul style="list-style-type: none"><li>◆ Standalone edition</li><li>◆ Supports: Aerobics</li><li>◆ English version</li><li>◆ Including 1 dongle</li></ul>
Ultra Score	<ul style="list-style-type: none"><li>◆ Standard network edition (Terminal + 1 Display)</li><li>◆ Supports: Aerobics</li><li>◆ English version</li><li>◆ Including 1 dongle</li></ul>
Ultra Score	<ul style="list-style-type: none"><li>◆ Professional network edition (Terminal + Referee + 2 Display)</li><li>◆ Supports: Aerobics</li><li>◆ English version</li><li>◆ Including 1 dongle</li></ul>

#### **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).

Scoring interface for aerobics:

Welcome

**Men's Singles - Preliminary**  
**A6**  
**Hunan Normal University**  
**Lu Yinfu**

Score

Hunan Normal University		Lu Yinfu			
Men's Singles - Preliminary A6 00:00	Artistic:	J1 8.4	J2 8.7	J3 8.3	J4 8.4
	Execution:	8.4	8.1	7.8	7.6
	Difficulty:	6.2	6.2		
	Diff Pen:				
	Lift:			Pen:	
	<b>Score:</b>			<b>19.450</b>	

Rank

Men's Singles - Preliminary				
Rank	Name	Region	Score	

## 2.2 Wireless Host

Products	Detail
Wireless Host	<p>Type: KS-WH-G Size: 140x120x30 (mm) Communication: 433MHz</p> <p>Functions:</p> <ul style="list-style-type: none"><li>◆ Must be used together with Ultra score software.</li><li>◆ Support: Aerobics</li><li>◆ 9 sets of wireless handheld can be activated simultaneously.</li><li>◆ Communication distance: 20m</li></ul>



### 2.3 Wireless Handheld

Item	Details
Wireless handheld	<p>Type: KS-GC17    Size: 120x220x70(mm)</p> <p>Functions:</p> <ul style="list-style-type: none"><li>◆ Must be used with the Ultra score software.</li><li>◆ Communication: 433MHz</li><li>◆ Modify the score of the player.</li><li>◆ Support: Aerobics</li><li>◆ Communication distance: 20m.</li><li>◆ Standby time: 8 hours.</li></ul>



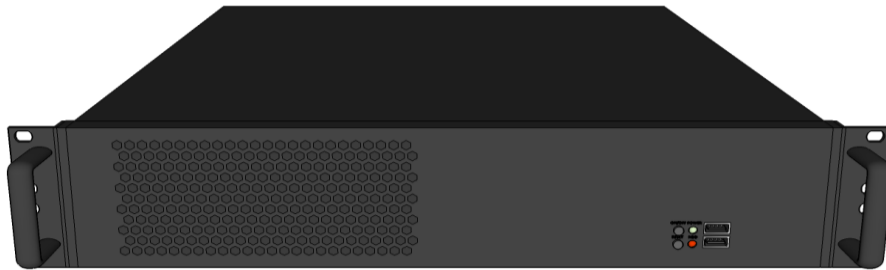
## 2.4 Court Management Server

Item	Details
Court Management Server	<p>Type: KS-CMS-G    Size: 130x90x45 (mm)</p> <ul style="list-style-type: none"><li>◆ Multi-court arrangement, auto generate the order form.</li><li>◆ Multi-project arrangement, make the schedule more smoothly.</li><li>◆ Monitor the status of each court in real time, including the current field, rotation and player info.</li><li>◆ Court adjustment, can manually modify the match court and session info.</li><li>◆ Summary and print integrated report.</li></ul>



## 2.5 Video Arbitration Server

Products	Details
Video Arbitration Server	Type: KS-PARROT-2C/4C/6C/8C Video Input: 2/4/6/8 channels input synchronously; Input port: SDI; Output port: DP*2; Video Format: 1080P; Recording capacity: ≥ 10 hours; Multi-screen monitoring: supported; Weight: 8kg.



## Software interface





## Device Specification

<b>Type</b>	<b>KS-PARROT-2C/4C/6C/8C</b>
Size	485x480x90(mm)
Net Weight	8 KG
Color	Black
Cabinet	Iron
<b>Interface</b>	
Input	SDI*2/4/6/8
Output	DP*2
<b>Environmental</b>	
Operating Temp	-5°C~45°C
Storage Temp	-40°C~80°C
Relative Humidity	5%~95%, non-condensing
Input Voltage	AC 100V~240V
<b>Functions</b>	
	<ul style="list-style-type: none"><li>● <b>Nonstop video recording in the background:</b> 2/4/6/8 channels of HD video are recorded simultaneously in the background, nonstop for 10 hours. Video retrieval and playback is unaffected.</li><li>● <b>Synch-playback of multi-channel video:</b> Supports playback mode of single channel video in full screen and multi-angle video in 2/4/6/8 windows.</li><li>● <b>Speed change in slow motion:</b> support 50 frame/s video playback and capture motion in a grid of 0.02s.</li><li>● <b>Video event query:</b> video stream can be divided into several video events, storing in the event list, which can be renamed for retrieve easily.</li><li>● <b>Video segment marker:</b> Important or controversial moments can be marked in video stream which will be replayed quickly when clicking the marked records.</li><li>● <b>Video signal output:</b> provides 2 video output signals, one of which is for preview, the other of which can be connected to LED/LCD display for live slow motion replay.</li></ul>

## 2.6 Control Panel

Products	Details
Control Panel	<p>Type: KS-PARROT-CP</p> <p>Function:</p> <ul style="list-style-type: none"><li>◆ Support one touch replay, deferred replay, in/out replay.</li><li>◆ Preset speed button.</li><li>◆ T-Bar for dynamic slow motion.</li><li>◆ Professional dynamic jog wheel.</li><li>◆ Key to mark the last 10s/20s of the video content.</li><li>◆ Flexible select the marked video and playback.</li></ul>



## Device Specification

<b>Type</b>	<b>KS-PARROT-CP</b>
Size	365 x 200 x 98 (mm)
Net Weight	1 KG
Cabinet	Iron
Display	Color LCD(4.3Inch)
Sound	None
<b>Communication</b>	
USB	≤5m
RS232	≤10m
<b>Environmental</b>	
Operating Temp	-5~45°C
Relative Humidity	5~95 %, non-condensing
Storage Temp	-40~80°C
Input Voltage	AC 100V-240V
Total Power	15W

### 3. Success Stories

2018 September, Aerobics Competition of the 11<sup>th</sup> University Sports Games of Hunan

