



Scoring & Timing Solution for Korfball



1. Introduction

This is a professional solution for LED scoreboard display in Korfbal stadiums.

Mainly for large-scale Korfbal matches which held in professional sports venues.

The system functions conform to IKF rules.

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

It is an ideal choice for most of smart and professional stadiums.

1.1 System Architecture

The whole system is composed of several subsystems, including: Match Scoring System and Meet Management 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, Ultra Score Console, etc.

It is mainly operated by the referees to realize the scoring and timing work and real-time scoreboard display.

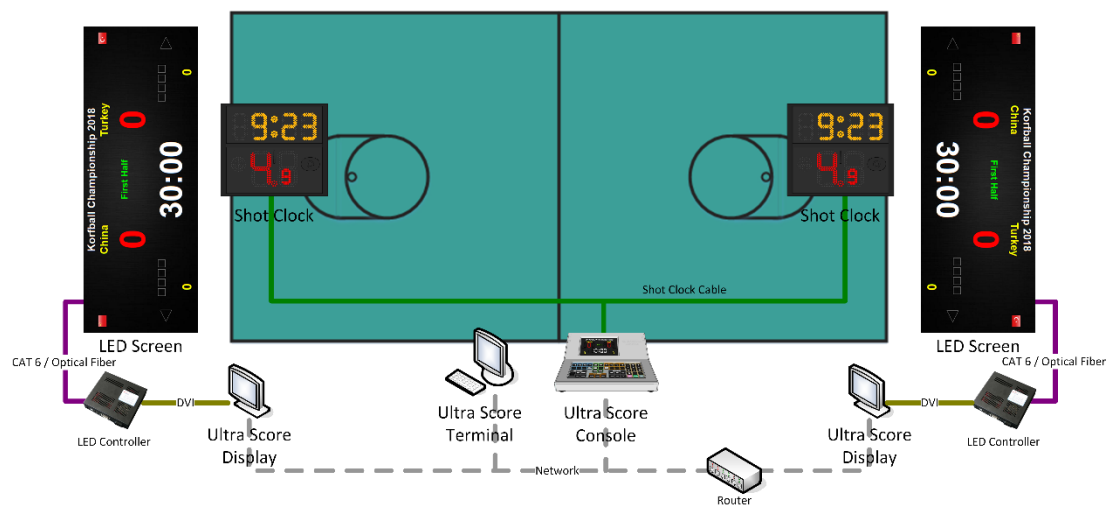
The system functions conform to IKF rules.

- **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, technical statistics, court arrangement, rank statistics, etc.

1.2 System Chart



System Structure Description

- 1) Two LED screens are controlled by separate computer which connects with LED sending card.
- 2) One laptop is equipped on the court working as Ultra score terminal special for referees' operation.
- 3) All computers are connected into LAN in stadium.
- 4) Both of the LED screens can show the same contents or different contents as required.
- 5) 25s shot clock installed on the site for attach timing can be controlled simultaneously.

2. Specification for products

2.1 Ultra Score Software

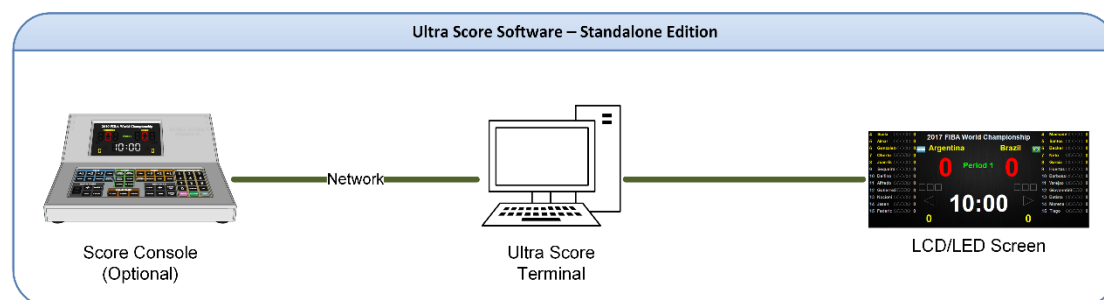
Products	Details
Standalone edition	<ul style="list-style-type: none"> ◆ Installed on one PC. ◆ Supports: Korfball ◆ English version ◆ Including 1 dongle
Network standard edition	<ul style="list-style-type: none"> ◆ Terminal + 1 Display ◆ Supports: Korfball ◆ English version ◆ Including 1 dongle
Network professional edition	<ul style="list-style-type: none"> ◆ Terminal + Referee + 2 Display ◆ Supports: Korfball ◆ 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.

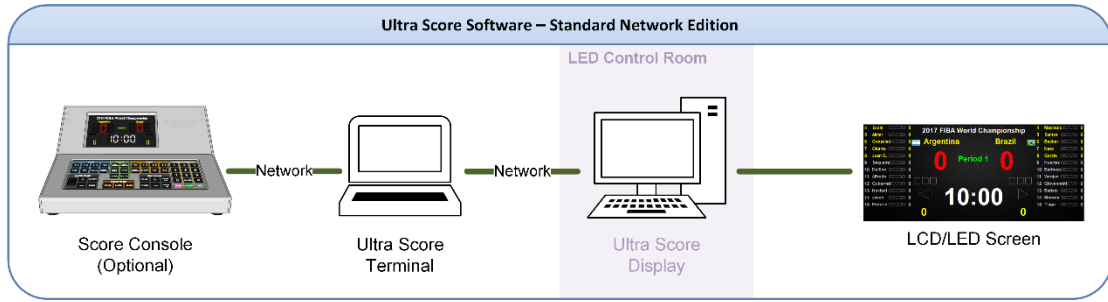
It is suitable for the stadium where has just one screen, which doesn't have strict needs of the scoring and timing accuracy.



Standard Network 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.

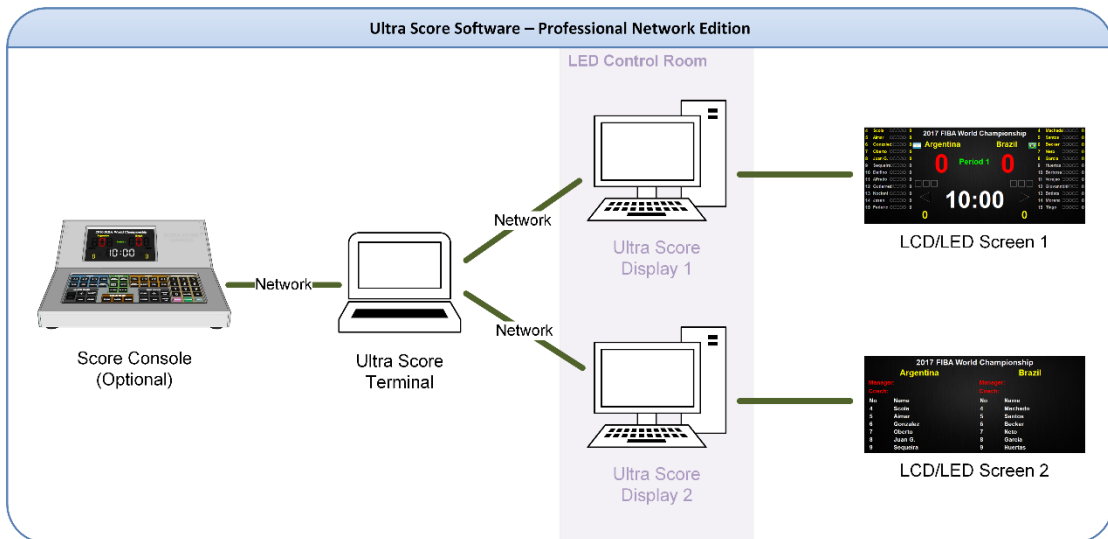
It is suitable for the stadium where has one screen, needs to do the scoring and timing on the courtside.



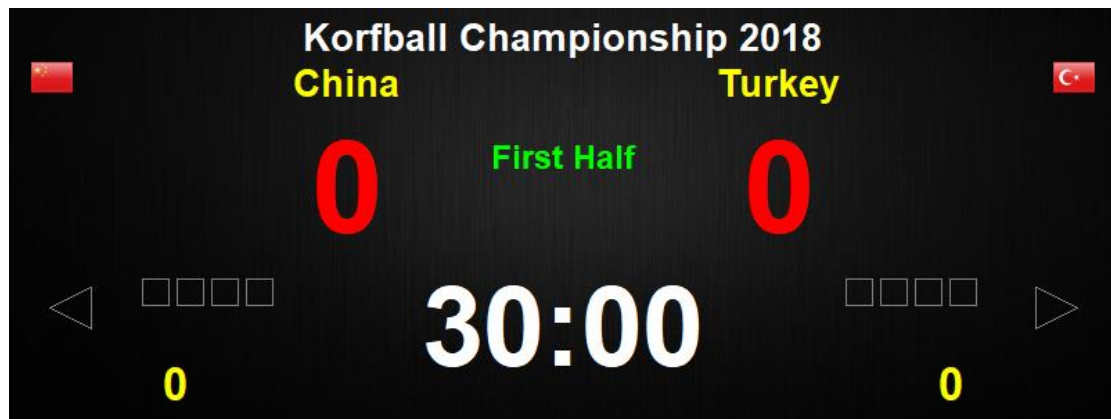
Professional Network Edition:

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 korfbal



Features

- (1) Professional scoreboard display: Scoring and timing operation, layout of scoreboard can meet international game rules.
- (2) Match management: Information of match, team, team members and coaches can be saved in advance. And referee's scoring operation during the match can be recorded and output.
- (3) Scoring functions: Include operation and display of teams and players' point, foul and substitutions.
- (4) Timing functions: Include operation and display of game time, pause, break time, count down time and system time.
- (5) Convenient operation feeling: Referees can do operation on a special score console as well as by using shortcuts on the keyboard.
- (6) Powerful media player: Kinds of media formats are supported. It is easy to switch between scoreboard and video.
- (7) Notification: Rolling to display short notice on the screen which allows to set the speed, colors, fonts freely.
- (8) Customization: All contents on the scoreboard including fonts, color and layout can be modified to meet clients' needs.
- (9) Self-adaptation: With easy configuration, score information can be displayed on kinds of LED and LCD screen by using this system which can adjust the layout to meet any sizes of screen.
- (10) Security: Auto backup function will help you recover the match immediately from the computer fault.

2.2 Wired / Wireless Score Console

Item	Details
Wired / Wireless Score Console	<p>Type: KS-GC16</p> <ul style="list-style-type: none"> ◆ The console should be worked together with Ultra Score software, which is applied to kinds of sports. ◆ It should be connected to LAN in wire or wireless way. ◆ It supports multiple scoring functions in ball games, such as: the team score, team foul, players' score, players' foul, match timer, shot clock and cancellation for variants of operations. ◆ There are external match timer controller and shot clock controller, which can be operated by timekeeper. ◆ It will display the match timer and shot clock synchronous with the 25S shot clock screen in korfbal match. ◆ Functions: Modify score, foul, control the competition clock and shot clock, etc.



Ultra Score Console

Size	330 x 290 x 140 (mm)
Net weight	3 KG
Box material	Plastic
screen	Full-colored 7" LED
Audio	6.5mm Audio Output
Power	AC 100V-230V
Network	LAN, WLAN
Language	Chinese, English



Handy Match timer

Size	120 x 80 x 25 (mm)
Net weight	0.2 KG
Box material	Plastic

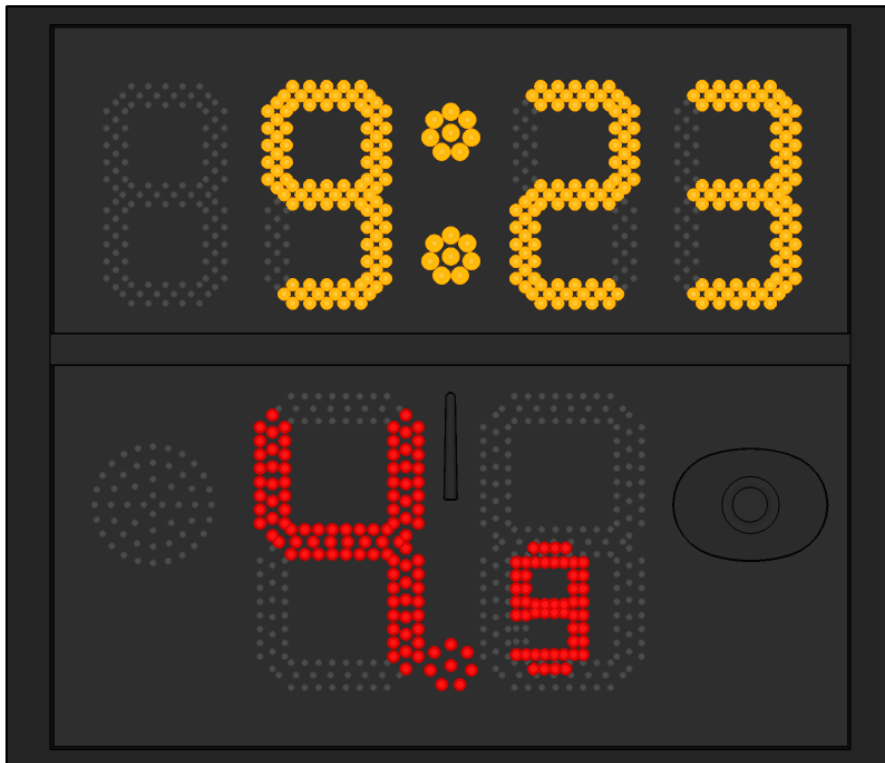
2.3 Lite Console

Item	Details
Lite Console	<p>Type: KS-GC15 Size: 265x220x100(mm)</p> <ul style="list-style-type: none"> ◆ Used with the Ultra score software ◆ Communication: USB, RS485 ◆ With 4.3" color LCD screen ◆ Material: Iron + Plastic ◆ Support: Korfbal ◆ Functions: Modify team score, team foul, control the match timer and shot clock, etc.



2.4 Shot Clock

Item	Details
Shot Clock	<p>Type: KS-BASH-C/S Size: 710x610x60 (mm)</p> <ul style="list-style-type: none">◆ Single side◆ Weight: 10KG*2◆ Power: 60W*2◆ Material: Aluminium◆ Communication: Wired + Wireless(433MHz)◆ Match Timer: Decisecond display in last 1 minute◆ Shot Clock: Decisecond display in last 5 second◆ Buzzer: Two different buzzer sound for match timer and shot clock◆ Synchronous controlled by score console



2.5 Meet Management Server

Products	Details
Meet Management Server	<p>Type: KS-MMS-MINI</p> <p>Size: 170x150x35 (mm)</p> <p>Weight: 1.0 KG</p> <p>Features:</p> <ul style="list-style-type: none">● 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.

