



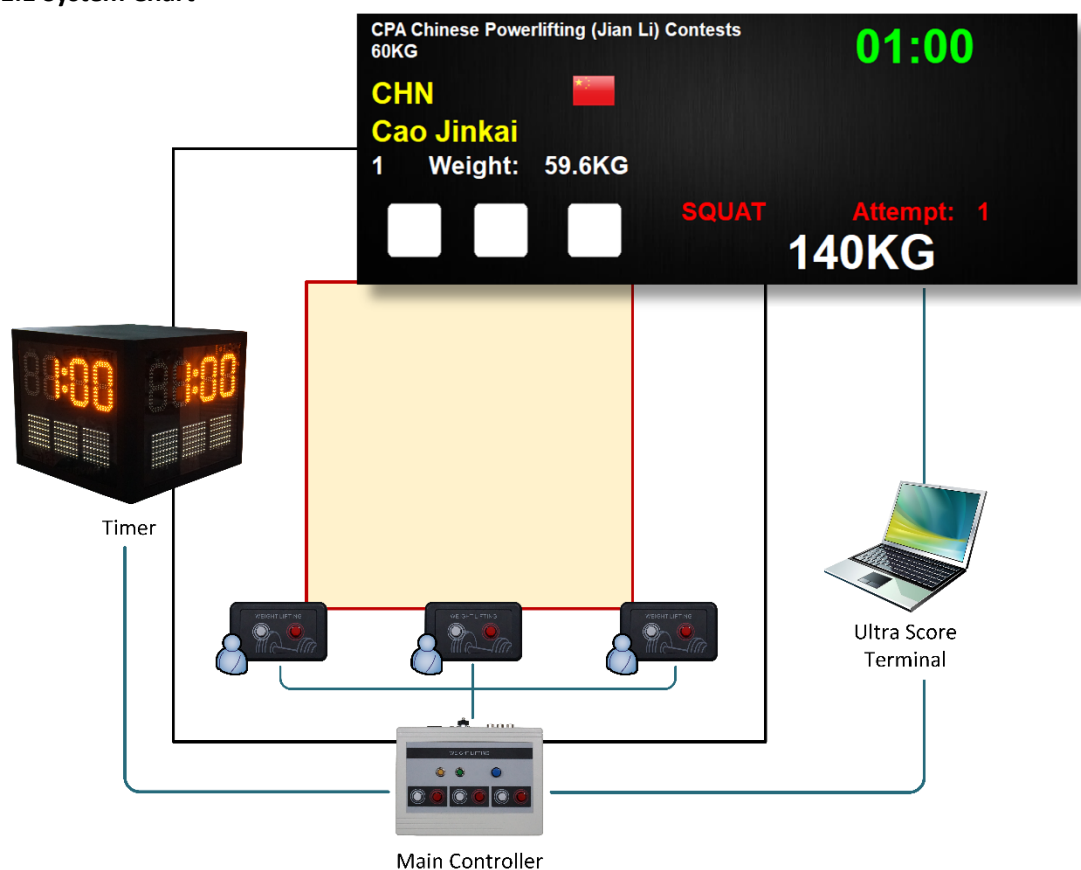
Scoring & Timing Solution for Powerlifting



1. Introduction

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

1.1 System Chart



System Description

- 1) Two LED screens are controlled by separate computer which connects with LED sending card.
- 2) Install the Powerlifting Timing and Scoring software on the control computer.
- 3) Connect the Main Controller with the control computer via a USB cable.
- 4) Connect the Referee Controller with the Main Controller.
- 5) Connect the Powerlifting Timer with the Main Controller.

1.2 Product Configuration (for one court)

| Product | Type | Number |
|----------------------------------|--------------------|--------|
| Match Scoring System | | |
| Ultra Score Software | Standalone Edition | 1 |
| Weightlifting Main Controller | KS-WL-MC10 | 1 |
| Weightlifting Referee Controller | KS-WL-RC10 | 3 |
| Weightlifting Timer | KS-WL-CD10 | 1 |
| Meet Management Server | KS-MMS-MINI | 1 |
| PC | / | 2 |
| LCD Display | / | 1 |
| Printer | / | 1 |
| Video Arbitration System | | |
| Video Arbitration Server | KS-PARROT-2C | 1 |
| Control Panel | KS-PARROT-CP | 1 |
| HD Camera | KS-PARROT-CAMERA | 2 |
| Tripod for HD Camera | TRIPOD STANDARD | 2 |
| SDI Cable | 15m | 2 |
| LCD Monitor | 21.5 inch | 1 |

2. Specification for products

2.1 Ultra Score Software

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

Scoring interface for powerlifting:

The image shows a digital scoreboard for a powerlifting event. At the top left, it reads 'CPA Chinese Powerlifting (Jian Li) Contests' and '60KG'. A large green timer in the top right corner shows '01:00'. Below the event name, the athlete's country 'CHN' is displayed in yellow, followed by a small Chinese flag. The athlete's name 'Cao Jinkai' is shown in yellow. Below the name, the number '1' and 'Weight: 59.6KG' are displayed in white. Three white squares represent the lift attempts. To the right of these squares, the word 'SQUAT' is written in red, and 'Attempt: 1' is written in red. At the bottom right, the lift weight '140KG' is displayed in large white letters.

Features

- (1) Professional scoreboard display: Scoring and timing operation, layout of scoreboard can meet international game rules.
- (2) Match management: referee's scoring operation during the match can be recorded and output.
- (3) Convenient operation feeling: Referees can do operation on a special score console as well as by using shortcuts on the keyboard.
- (4) Powerful media player: Kinds of media formats are supported. It is easy to switch between the scoreboard and video.
- (5) Notification: Rolling to display short notice on the screen which allows to set the speed, colors, fonts freely.
- (6) Customization: All contents on the scoreboard including fonts, color and layout can be modified to meet clients' needs.
- (7) 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.
- (8) Security: Auto backup function will help you recover the match immediately from the computer fault.

2.2 Powerlifting Main Controller

| Product | Detail |
|------------------------------|---|
| Powerlifting Main Controller | Type: KS-WL-MC10 Size: 275x210x65(mm) <ul style="list-style-type: none">◆ Support: Powerlifting◆ Support 3 referee controllers.◆ Support connecting with Powerlifting Timer.◆ Synchronize with Powerlifting Scoring Software. |



2.3 Powerlifting Referee Controller

| Product | Detail |
|---------------------------------|---|
| Powerlifting Referee Controller | Type: KS-WL-RC10 Size: 140x120x30(mm) ◆ Support: Powerlifting ◆ Cabinet: Plastic. ◆ Synchronize with Powerlifting Scoring Software. |



2.4 Powerlifting Timer

| Product | Detail |
|--------------------|---|
| Powerlifting Timer | Type: KS-WL-CD10 Size: 650x650x510(mm) <ul style="list-style-type: none">◆ Support: Powerlifting◆ Cabinet: Iron◆ Display the match timer.◆ Display white or red light according to the operation of judges. |



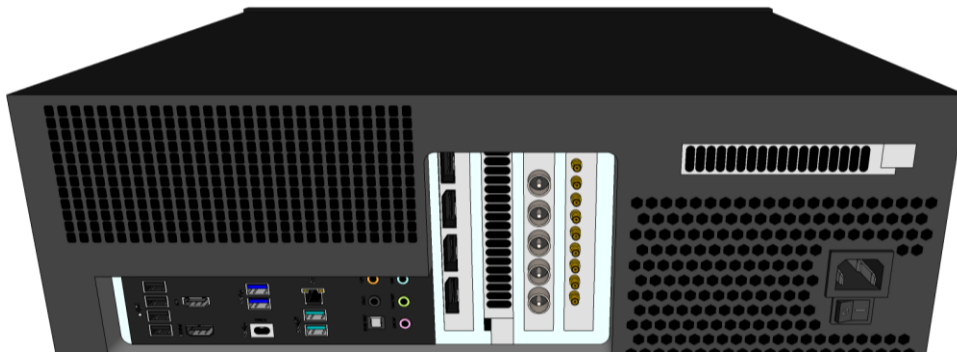
2.5 Meet Management Server

| Products | Details |
|-------------------------------|--|
| Meet Management Server | <p>Type: KS-MMS-MINI Size: 170x150x35 (mm) 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. |



2.6 Video Arbitration Server

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



Software interface



Device Specification

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

2.7 Control Panel

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



Device Specification

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

2.8 HD Camera

| Products | Details |
|-----------|------------------------|
| HD Camera | Type: KS-PARROT-CAMERA |



Device Specification

| Product Type | KS-PARROT-CAMERA |
|------------------|------------------|
| Video output | 3G-SDI |
| Effective pixels | 3.0 million |
| Max Resolution | 1920*1080 |
| Max Frame rate | 60FPS |
| Sensor | CMOS |
| Focal length | 4.2MM |
| Size | 62.5*50*50MM |