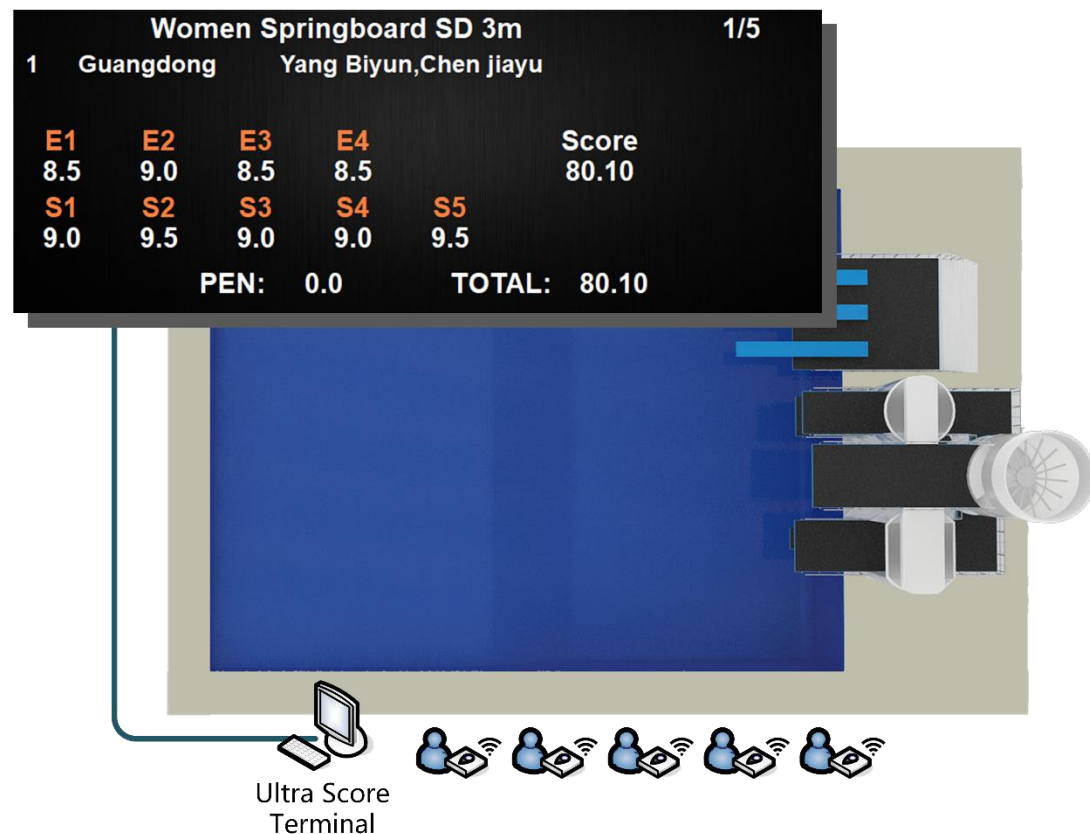


Timing & Scoring System For Diving

This is a general solution for LED display in diving 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 Description

- 1) One or two LED screens are equipped for one court, controlled by one computer to display scoreboard, live video and advertisement.
- 2) Ultra Score Software is installed on the computer for LED control to accomplish the functions of event arrangement, scoring and timing, players' and information and advertisement.
- 3) Wireless Host (KS-WH-G) is connected with the control computer via a USB cable.
- 4) 7 or 11 sets of Wireless Handheld are equipped for one court, working as scoring and timing terminal special for referees' operation.

1.2 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 the 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.

1.3 Product Configuration

(For one court)

Product	Type	Quantity
Match Scoring System		
Ultra Score Software	Standard Network Edition	1
Umpire Arbitration Software	ULTRASCORE DIVING	1
Wireless Host	KS-WH-G	1
Wireless Handheld	KS-GC17	11
PC	/	2
Printer	/	1
Video Arbitration System		
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	Detail
Standalone edition	<ul style="list-style-type: none">◆ Installed on one PC.◆ Supports: Diving◆ English version◆ Including 1 dongle
Standard network edition	<ul style="list-style-type: none">◆ Terminal + 1 Display◆ Supports: Diving◆ English version◆ Including 1 dongle
Professional network edition	<ul style="list-style-type: none">◆ Terminal + Referee + 2 Display◆ Supports: Diving◆ 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 court side 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 court side.

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 court side 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 diving (Springboard):

Order

Women Springboard 3m			1/5
Order	Team	Players	
1	Guangdong	Yang Biyun	
2	Navy	Xie Yuanyu	
3	Sichuan	Zheng Shuangxue	
4	Guangdong	Chen jiayu	
5	Navy	Yu Miao	
6	Sichuan	Huang Hui	

Score

Women Springboard 3 m							1/5
1	Guangdong	Yang Biyun					
	J1	J2	J3	J4	J5	J6	J7
	9.5	9.5	10.0	9.5	10.0	9.0	9.0
	PEN:0.0			TOTAL: 85.50			

Result

Women Springboard 3 m			
Rank	Team	Players	Score
1	Guangdong	Yang Biyun	85.50
2	Navy	Xie Yuanyu	84.00
3	Sichuan	Zheng Shuangxue	81.00
3	Guangdong	Chen jiayu	81.00
5	Navy	Yu Miao	76.50
5	Sichuan	Huang Hui	76.50

Scoring interface for diving (Springboard SD):

Order

Women Springboard SD 10m			1/4
Order	Team	Players	
1		Yang Biyun, Chen Jiayu	
2		Xie Yuanyu, Yu Miao	

Score

Women Springboard SD 10m						1/4
1	Region		Yang Biyun, Chen Jiayu			
201B	Back Dive		1.6			
E1	E2	E3	E4	E5	E6	
S1	S2	S3	S4	S5		
SCORE:		TOTAL:		RANK:		

Result

Women Springboard SD 10m			
Rank	Team	Players	Score
1	Guangdong Navy	Yang Biyun, Chen Jiayu Xie Yuanyu, Yu Miao	

2.2 Umpire Arbitration Software

Products	Details
Umpire Arbitration Software	<ul style="list-style-type: none"> ◆ Type: ULTRASCORE TAOLU ◆ Support: Diving ◆ English version ◆ Monitor the scores of judges in real time. ◆ Make correction to unreasonable grades. ◆ Achieve the overall control of the display score. ◆ View the current real-time ranking info.

1

Yang Biyun

Guangdong

Lock

J1

J2

J3

J4

J5

J6

J7

J8

J9

J10

J11

Score

Time: 00.00.0

Perc:

Total Score:

Expect Rank:

Confirm

#	Name	Team	Score	Rank
	Yang Biyun			
	Chen jiayu			

2.3 Wireless Host

Products	Detail
Wireless Host	Type: KS-WH-G Size: 140x120x30 (mm) Communication: 433MHz Function: <ul style="list-style-type: none">◆ System: Must be used together with Diving Scoring Software.◆ Support: Diving.◆ Communication Setting: allow to customize the communication frequency band.◆ Communication distance: 20m



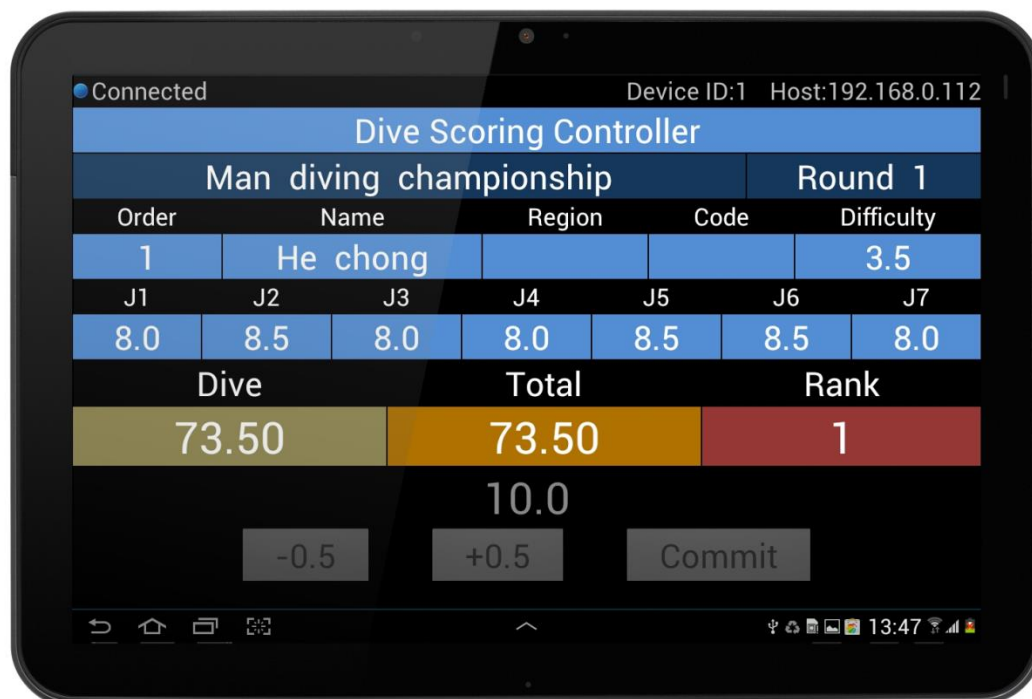
2.4 Wireless Handheld

Item	Details
Wireless Handheld	Type: KS-GC17 Size: 120x220x70(mm) <ul style="list-style-type: none">◆ Used with the Ultra score software.◆ Communication: 433MHz◆ Modify the score of the player.◆ Support: Diving.◆ Communication distance: 20m.◆ Standby time: 8 hours.



2.5 Wireless Score Tablet

Products	Details
Wireless Score Tablet	<p>Type: KS-GC14</p> <ul style="list-style-type: none"> ◆ Including one license of Lightscore software ◆ Screen: 10"inch 2560*1600IPS ◆ Ram: 3GB ◆ Storage: 32GB ◆ Battery: 9300mAh ◆ System: Android 6.0 ◆ Supports: Diving ◆ Communication: WIFI ◆ Full colored touch screen



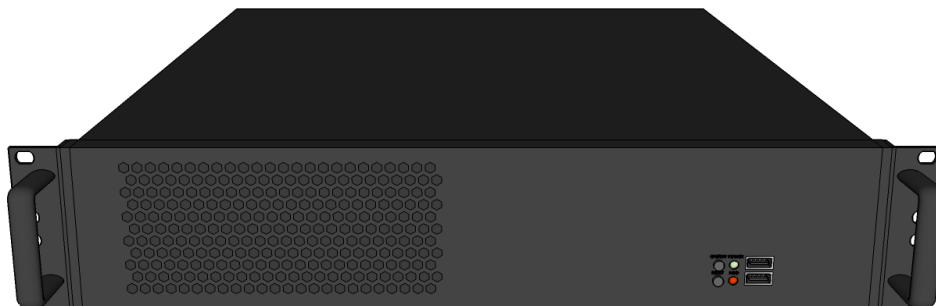
2.6 Court Management Server

Products	Details
Court Management Server	<p>Type: KS-CMS-G</p> <p>Size: 130x90x45(mm)</p> <p>Weight: 0.5KG</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.



2.7 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

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.	

2.8 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

2.9 HD Camera

Products	Details
HD Camera	Type: KS-PARROT-CAMERA



Device Specification

Product Type	KS-PARROT-CAMERA
Image sensor	SONY 1/2.8 inch Progressive CMOS
Effective pixels	3.1 million pixels
Signal System HD	1080p60/50, 1080p30/25, 1080i60/50, 720p60/50
Signal system	PAL/NTSC
Lens	12x optical zoom, f=3.9mm (wide angle) ~46.8mm (distal)
Horizontal view angle	72.5° (wide angle) ~7.4° (distal)
Aggregation mode	Auto / Manual
Minimum illumination	0.1Lux

Shutter speed	1/1~1/10000S
Gain	Auto / Manual
White balance	Auto / Manual / Indoor / Outdoor
Image effect	Color / Black & White / Electron flip
S/N ratio	≥50dB
Horizontal shaking	355° (Maximum velocity 80°/s)
Pitching shaking	-30°~30° (Maximum velocity 60°/s)
Presetting bit	9 remote control and keyboard can set up to 200
Video output HD	HDMI、 3G-SDI、 USB2.0、 USB3.0、 RJ-45
Audio input	3.5mm LINE-IN
Power	12V DC (10.8~13.0V DC)
Operating temp	0°C~40°C
Storage temp	-20°C~60°C
Size	164x148x173mm
Power consumption	12W (DC 12V)
Weight	1050g
Color	Silver