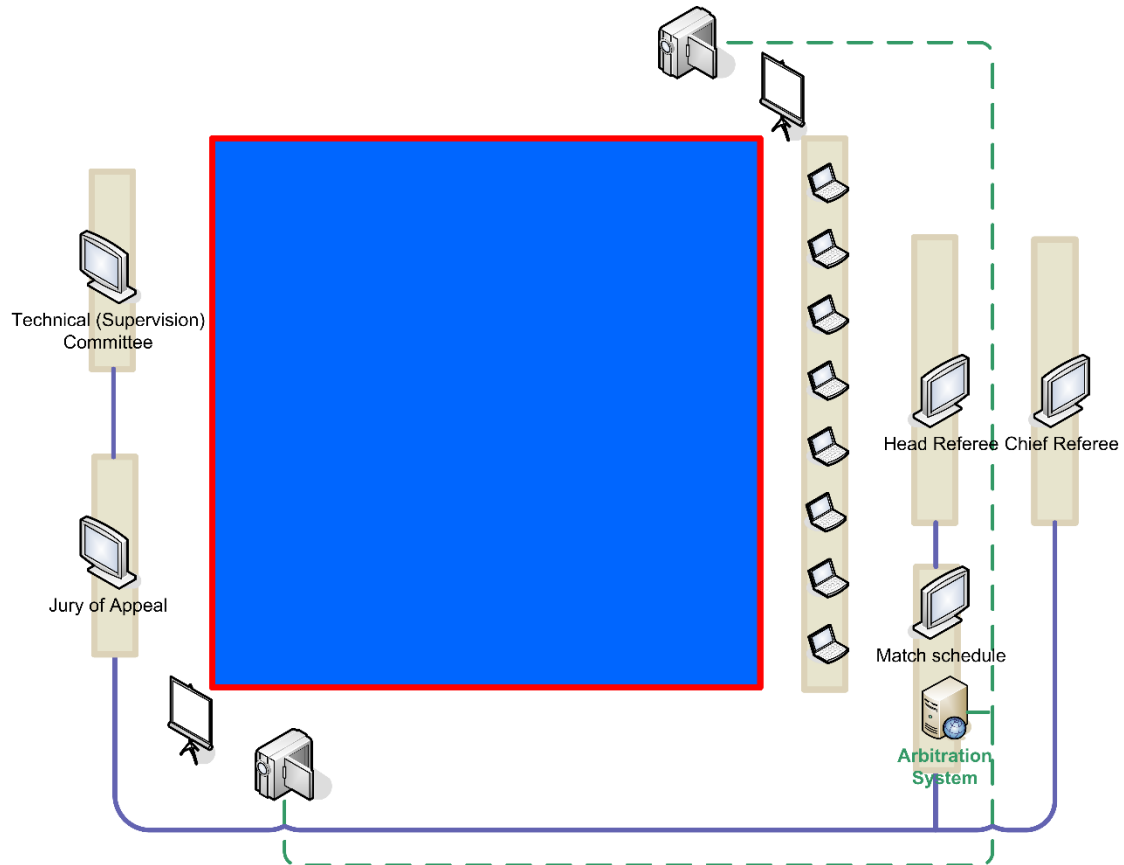


# Scoring & Timing Solution For Wushu Taolu

## 1. System Chart



### 1.1 Profile

Timing and scoring system for Wushu Taolu includes match scoring system and video arbitration system.

**Match scoring system:** Support for referees' scoring; Display various scoring information; Record results and generate reports.

**Video arbitration system:** Record high definition videos during the match, and playback them in slow motion. It can be used to arbitrate the dispute during the match.

### 1.2 Functions

#### Event arrangement

- Both import and input the players' information are available.
- Auto draw the players' lots.
- Auto generate, export and print the bracket.
- Auto generate, export and print the order form.

**Scoring operation**

- Professional wireless scoring handheld supports adding points for the player.
- Display real-time score and device connection state.
- Modify the match time according to match category.
- Support extending multi-displays to show the match.

**Results treatment**

- Quickly print and export the result form.
- Rank statistics, quickly export and print.
- Quickly export and print the event form of referee operation.

**System advantages**

- With rich experience of tournament and stable system.
- Wireless scoring devices are easy to use without wiring.
- The information will auto save in case of power out and other emergency situations.
- We provide free upgrade service of software.

### 1.3 Product Configuration (for one court)

Product	Type	Number
<b>Match Scoring System</b>		
Ultra Score Software	Standalone Edition	1
Umpire Arbitration Software	ULTRASCORE TAOLU	1
Wireless Host	KS-WH-G	1
Wireless Handheld	KS-GC17	9
Meet Management Server	KS-MMS-MINI	1
PC	/	3
LCD Display	/	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 Display	/	1

## 2. Specification for products

### 2.1 Ultra Score Software

Products	Details
Ultra Score Software	<ul style="list-style-type: none"> <li>◆ Standalone edition</li> <li>◆ Supports: Wushu Taolu</li> <li>◆ The referee operates the match on the PC for display directly.</li> <li>◆ Display various scoring information.</li> <li>◆ Record results and generate reports.</li> <li>◆ English version</li> <li>◆ Including 1 dongle</li> </ul>

Display interface of Wushu Taolu:

**B technique**

**Shen Yang**

**Huang Cuicui**

**00:00**

(A) Q.M. 70 72  
**4.60**

(B) O.P. **4.73**

(C) D.D. 1 2 3  
**0.40**

Creative: **0.8** Pen:

**Score: 10.53**

The screenshot shows the 'Ultra Score - [Terminal] - 0.74' window. It features a menu bar with 'Match', 'Playlist', 'Playlist Ex', 'Notify', 'Analog Clock', 'Referee [WuShu]', and 'About'. Below the menu is a toolbar with 'WELCOME', 'SCORE', and 'RANK' buttons. The main area is divided into three sections: (A) Quality of Movements, (B) Overall Performance, and (C) Degree of Difficulty. Each section contains a table of scores and a 'Total' value. On the right, there are buttons for 'Start', 'Pause', 'Stop', 'Confirm', and 'Screen...', along with a 'Final Score' display showing 10.53.

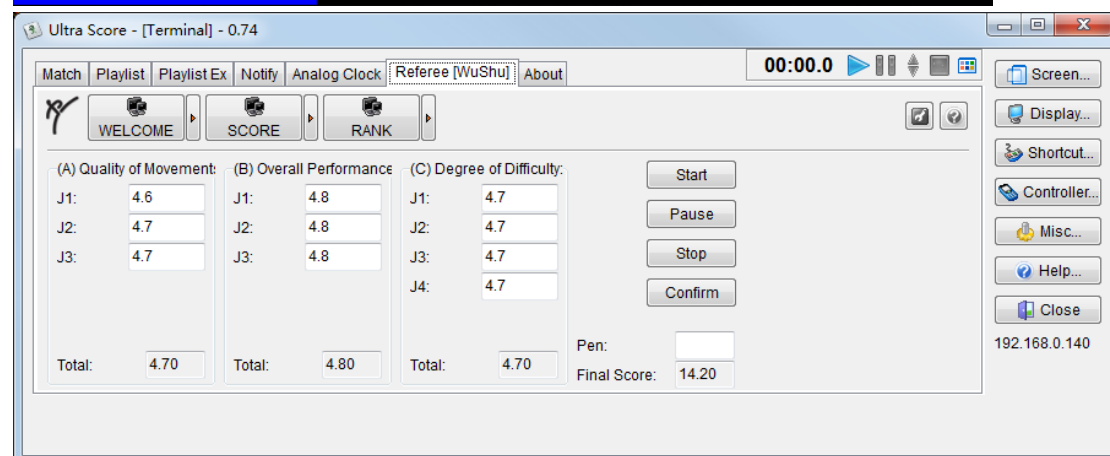
J1	J2	J3
70 *	71	70 *
72 *	72 *	70
Total: 4.60		

J1	J2	J3
4.8		
4.7		
4.7		
Total: 4.73		

#	Code	J1	J2	J3
1	153A	O	O	X
2	+3	X	X	X
3	335A	O	O	O
Total: 0.40				

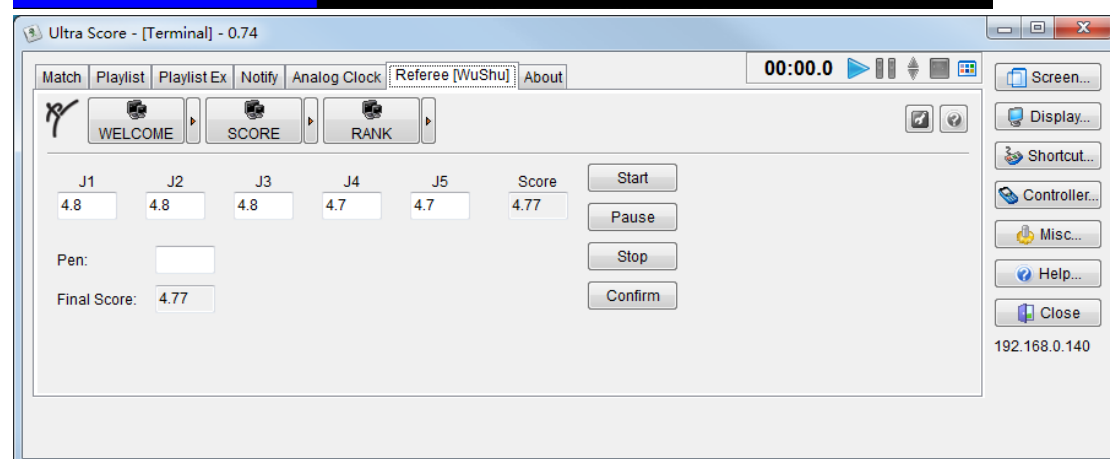
### Display interface of Wushu Taolu (Standard):

B technique	J1	J2	J3	J4	J5
(A) Q.M.	4.6	4.7	4.7		
(B) O.P.	4.8	4.8	4.8		
(C) D.D.	4.7	4.7	4.7	4.7	
Pen:					
<b>Score: 14.20</b>					



### Display interface of Wushu Taolu (Traditional):

B technique - Final	J1	J2	J3	J4	J5
Shen Yang	4.8	4.8	4.8	4.7	4.7
Huang Cuicui					
Pen:					
<b>Score: 4.77</b>					



## 2.2 Umpire Arbitration Software

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

WuShu

1 宋飞宇 111 Lock

#	Name	Team	Score	Rank
1	宋飞宇		12.45	1

A

1 11 11 4.80

4 11 11

7 11 13

B

J1 1 J2 2 J3 3 J4 4 J5 5 J6

3.75

C

3 111A 123A 132A 0.60

6 111A 123A 132A

9 111A 123A 132A

0.20 0.20 0.20

Time: 00:00 Creative: 4.5 Pen: 1.2 Score: 12.45 Expect Rank: 2 Confirm

### 2.3 Wireless Host

Products	Detail
Wireless Host	<p>Type: KS-WH-G Size: 140x120x30 (mm) Communication: 433MHz Function:</p> <ul style="list-style-type: none"><li>◆ System: Must be used together with Ultra score software.</li><li>◆ Support: Wushu Taolu</li><li>◆ 9 sets of wireless scoring controllers can be activated simultaneously for one court.</li><li>◆ Communication Setting: allow to customize the communication frequency band.</li><li>◆ Communication distance: 20m</li></ul>



## 2.4 Wireless Handheld

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





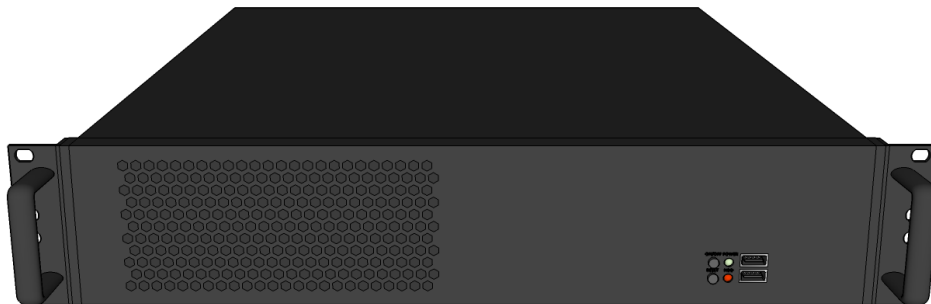
## 2.5 Meet Management Server

Products	Details
<b>Meet Management Server</b>	<p>Type: KS-MMS-MINI</p> <p>Size: 182x178x36(mm)</p> <p>Weight: 1.2 KG</p> <p>Features:</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>



## 2.6 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"><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>	

## 2.7 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**

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
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