



Scoring & Timing Solution for Skiing



1. Introduction

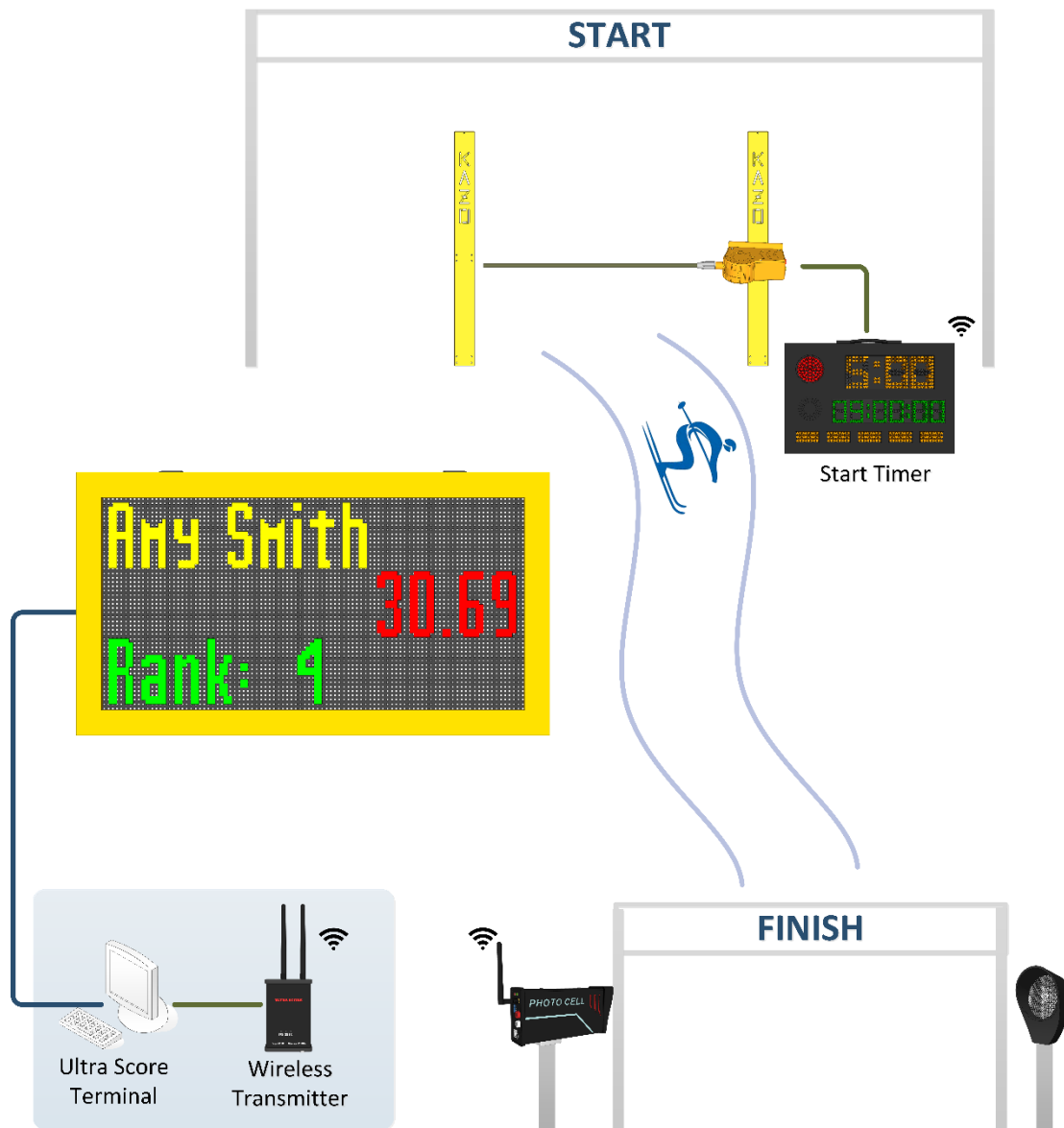
This is an automatic timing solution for skiing which has the functions of timing, scoring and displaying the information of score and result.

It can transmit and receive the wireless signals stably and rapidly. This system can effectively guarantee the fairness of the process and outcome of the match.

Henan Skiing Open Tournament 2018



1.1 System Chart



System Description

- 1) Ultra score software should be installed on the control computer.
- 2) Wireless transmitter connects with the control computer to receive signals from start timer and wireless photocell.
- 3) Start timer detect the trigger signal of the startgate.
- 4) Wireless Photocell detect the cut off of the light and send the wireless signal.

1.2 Product Configuration

Products	Type	Number
Ultra Score Software	Standalone edition	1
Startgate	KS-STGT	1
Start Stake	KS-STSKE1200	1
Start Timer	KS-STTM	1
Wireless Transmitter	KS-LDWT	1
Wireless Photocell	KS-PTCL	1
Infrared Reflector	KS-PTCL-REFL	1
Stake for Wireless Photocell	KS-STAKE500	1
Safety Box		1
LED Display	KS-SCRN-LED960480	1
PC	/	1
Printer	HP	1

2. Specification for products

2.1 Ultra Score Software

Products	Details
Standalone edition	<ul style="list-style-type: none">◆ Installed on the PC.◆ Supports: Skiing◆ English version◆ Including 1 dongle

Software interface for skiing

Score:

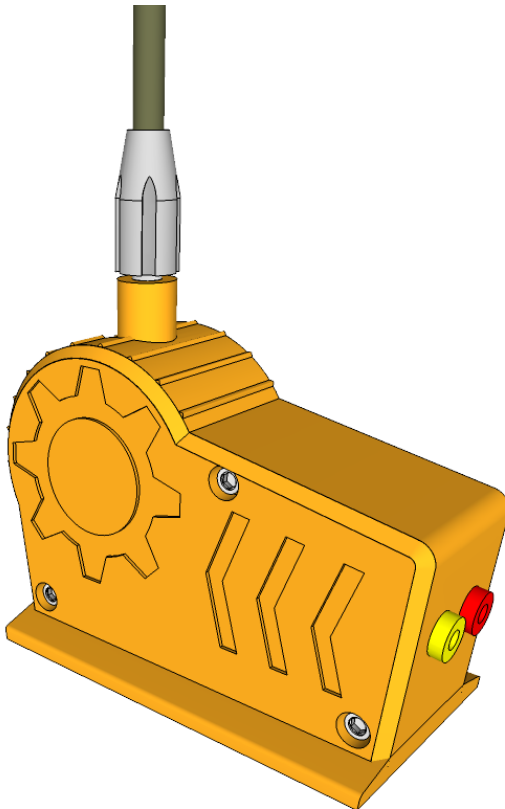
Alpine Skiing Open Tournament Women's double plate skiing				
Number:				
Name:				
Region:				
Rank	No	Name	Region	Result
1	2	Guo Song		00:28.10
2	3	Zhang Xuejuan		00:34.56
3	5	Zheng Wenyan		00:34.66

Result:

Alpine Skiing Open Tournament Women's double plate skiing				
Rank	No	Name	Region	Result
1	2	Guo Song		00:28.10
2	3	Zhang Xuejuan		00:34.56
3	5	Zheng Wenyan		00:34.66
4	4	Jia Shaolin		00:35.70
5	1	Li Feng		00:36.57

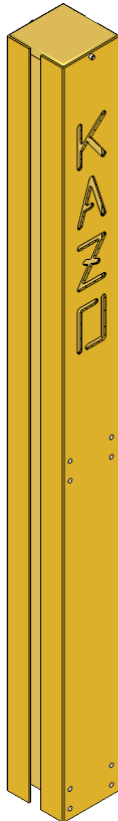
2.2 Startgate

Item	Details
Startgate	Type: KS-STGT Function: <ul style="list-style-type: none">◆ Must be used together with Skiing Scoring Software.◆ High precision, real-time trigger the game.◆ Waterproof and cold resistance.



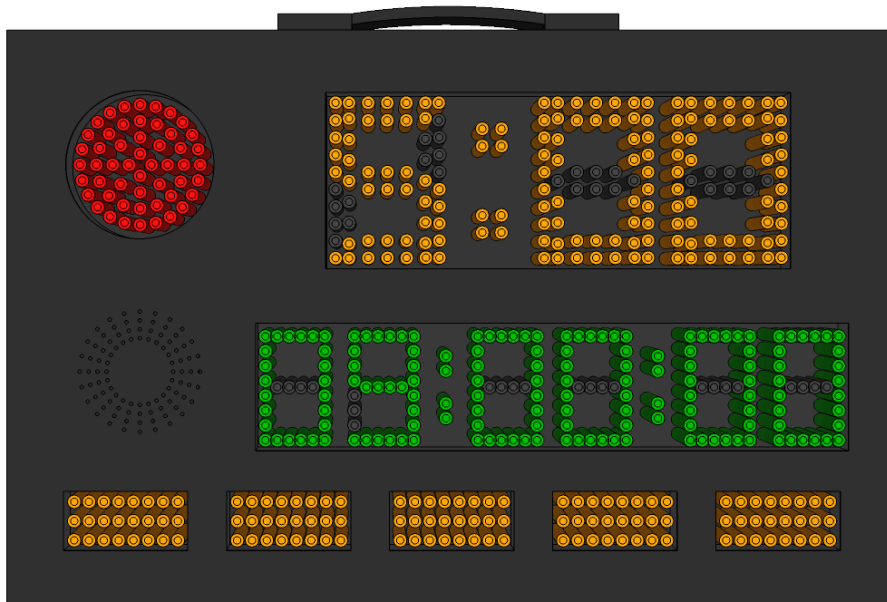
2.3 Start Stake

Item	Details
Start Stake	Type: KS-STAKE1200 Size: 1150x100x100 (mm) Material: Aluminum Function: ◆ Insert into the snow and fasten the startgate.



2.4 Start Timer

Item	Details
Start Timer	<p>Type: KS-STTM Size: 600x390x60 (mm) Communication: 433MHz Wireless Function:</p> <ul style="list-style-type: none">◆ Must be used together with Skiing Scoring Software.◆ Display the current time.◆ Automatically or manually display the start countdown.◆ Detect the trigger signal of the Startgate.◆ Wireless communication with the transmitter.



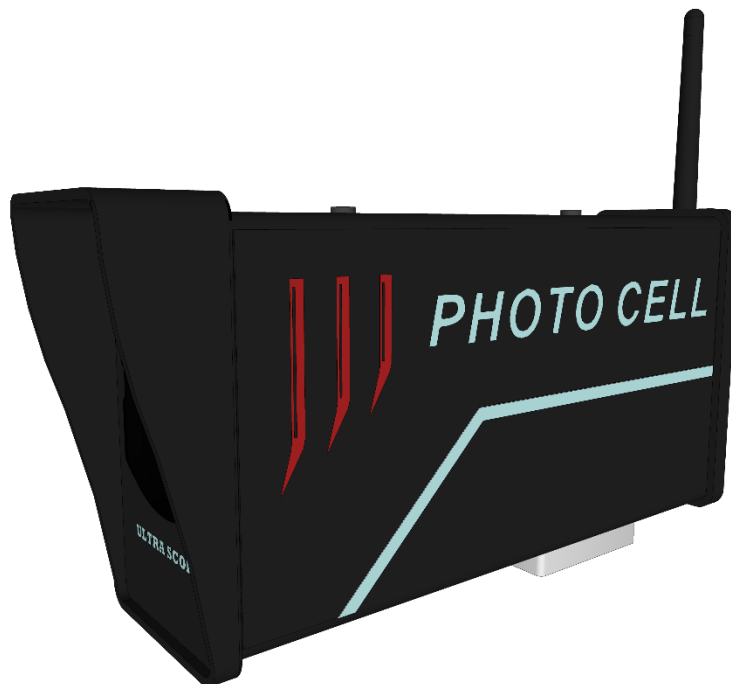
2.5 Wireless Transmitter

Item	Details
Wireless Transmitter	<p>Type: KS-LDWT Size: 65x23x100 (mm) Communication: 433MHz Wireless Function:</p> <ul style="list-style-type: none">◆ Must be used together with Skiing Scoring Software.◆ Wireless transmit the trigger time.◆ Wireless communication distance up to 800m.



2.6 Wireless Photocell

Item	Details
Wireless Photocell	<p>Type: KS-PTCL Size: 180x85x50 (mm) Communication: 433MHz Wireless Function:</p> <ul style="list-style-type: none">◆ Must be used together with Skiing Scoring Software.◆ Detect the cut off of the light, and send the wireless signal.◆ Light detect distance 20M.



2.7 Reflect Panel

Item	Details
Reflect Panel	Type: KS-PTCL-REFL Size: 90*130*55(mm) Function: ◆ Reflect the light from the photocell.



2.8 LED Display

Item	Details
LED Display	<p>Type: KS-SCRN-LED960160 Size: 960*160*100(mm) Material: Aluminum Input: 48V DC Function:</p> <ul style="list-style-type: none">◆ Must be used together with Skiing Scoring Software.◆ Display athlete's number and name.◆ Display athlete's number, current time and rank.



2.9 LED Display

Item	Details
LED Display	Type: KS-SCRN-LED960480 Size: 1080*600*145(mm) Material: Aluminum Function: <ul style="list-style-type: none">◆ Must be used together with Skiing Scoring Software.◆ Display athlete's rank, name and match time.

