



Scoring & Timing Solution for Skiing



1. Introduction

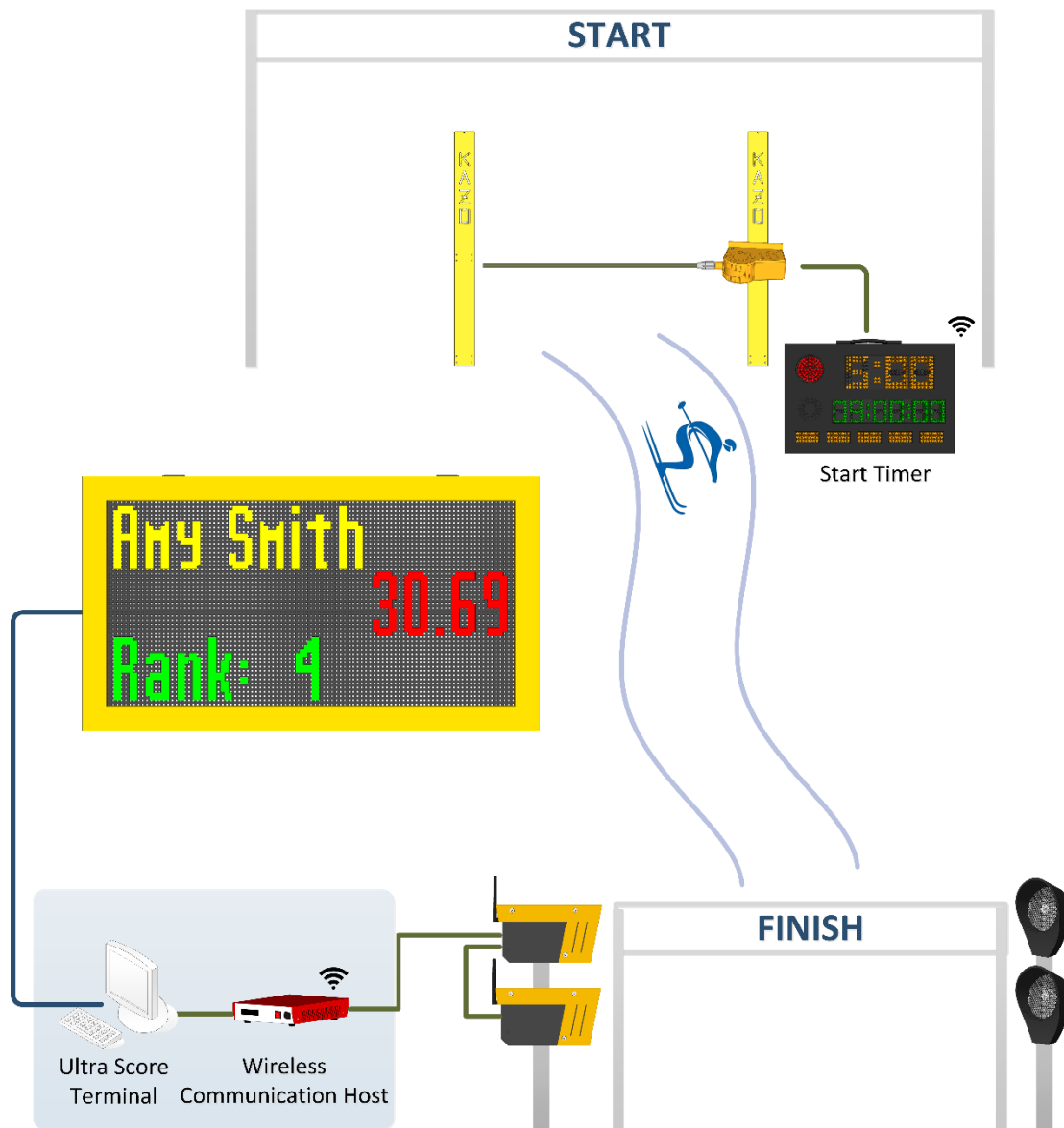
This is an automatic timing solution for skiing which has the functions of timing, scoring and displaying the information of score and result.

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.

2019 January, 2018-2019 Volkswagen Skiing Tournament



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	Model	Number
Ultra Score Software	Standalone edition	1
Start Stake	KS-STAKE1200	1
Start Gate	KS-STGT	1
Wireless Transmitter	KS-LDWT	1
Wireless Host	KS-PTCL-WH	1
Wireless Photocell	KS-PTCL-PC	2
Infrared Reflector	KS-PTCL-REFL	2
Fixed Rod	KS-STAKEBAR605	1
LED Display	KS-SCRN-LED960160	1
Meet Management Server	KS-MMS-MINI	1
PC	/	1
Printer	/	1
Portable battery	/	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:



Match Name
Men's snowboard

Number: 1
Name: Alex
Team: China

0.0

Rank	No	Name	Team	Result	IRM
	1	Alex	China		
	2	Jack	Japan		
	3	Max	Korea		

Result:

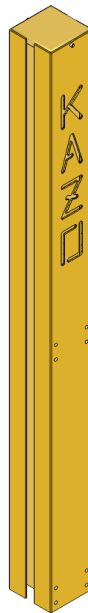


Match Name
Men's snowboard

Rank	No	Name	Team	Result	IRM
	1	Alex	China		
	2	Jack	Japan		
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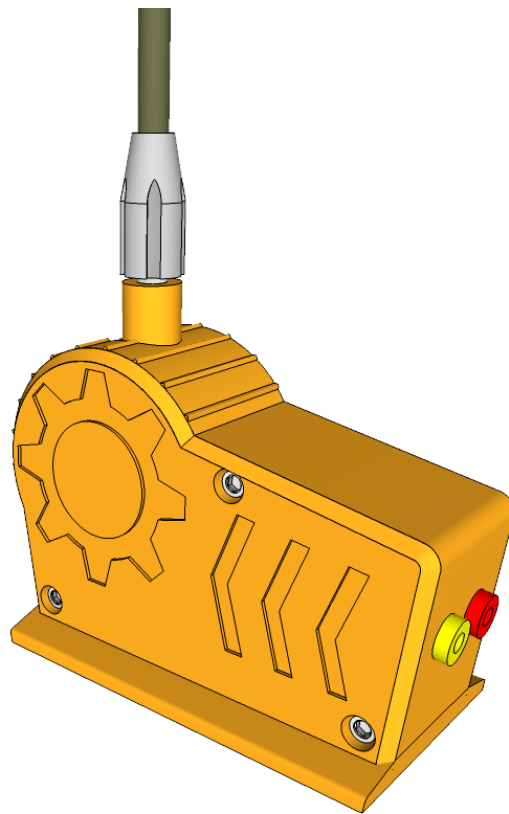
2.2 Start Stake

Item	Details
Start Stake	<p>Model: KS-STAKE1200 Size: 1150x100x100 (mm) Material: Aluminum alloy Function:</p> <ul style="list-style-type: none">◆ Insert into the snow and secure the ski ram.◆ Two for each slide.



2.3 Start Gate

Item	Details
Start Gate	<p>Model: KS-STGT</p> <p>Function:</p> <p>Must be used together with Skiing Scoring Software.</p> <p>High precision, real-time trigger the game.</p> <p>Waterproof and cold resistance.</p> <p>Model: KS-STGT</p> <p>Horizontal bar length: 70cm</p> <p>Function:</p> <ul style="list-style-type: none">◆ Must be used together with Skiing Scoring Software.◆ High precision, real-time triggering of game time.◆ Waterproof and cold resistant, can be used normally even at minus 40 degrees Celsius.◆ Each trail is equipped with one start gate.



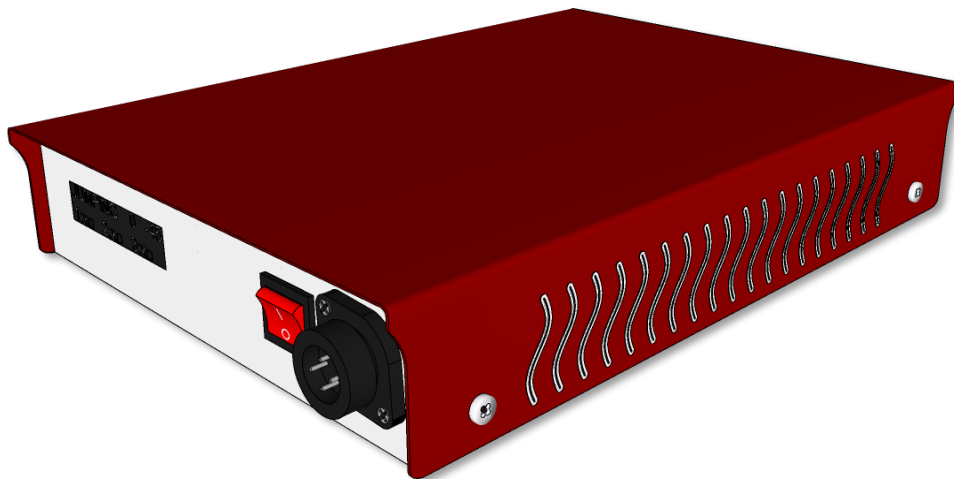
2.4 Wireless Transmitter

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



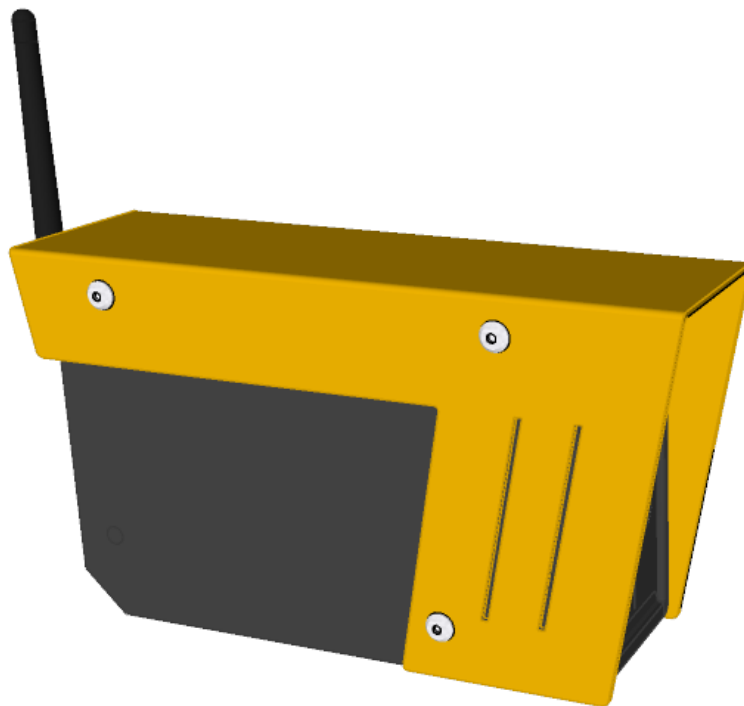
2.5 Wireless Host

Item	Details
Wireless Host	<p>Model: KS-PTCL-WH Size: 280x200x50 (mm) Material: Aluminum alloy Power input: 100~240V AC Power capacity: 5W Communication Mode: 433MHz Wireless communication distance: <=150M (unobstructed) Supporting item: Skiing Functions:</p> <ul style="list-style-type: none">◆ Receive wireless signal from photocell.◆ Must be used with Ultra Score software.



2.6 Wireless Photocell

Item	Details
Wireless Photocell	<p>Model: KS-PTCL-PC Size: 185x100x50 (mm) Communication: 433MHz Wireless Function:</p> <ul style="list-style-type: none">◆ Must be used together with Ultra Score Software.◆ Detect the cut off of the light, and send the wireless signal.◆ Light detect distance: 25M.



2.7 Reflect Panel

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



2.8 Fixed Rod

Item	Details
Fixed Rod	Material: Wood Size: 600*50*30(mm) Function: ◆ Insert into the snow, fasten the wireless photocell and the reflect panel .



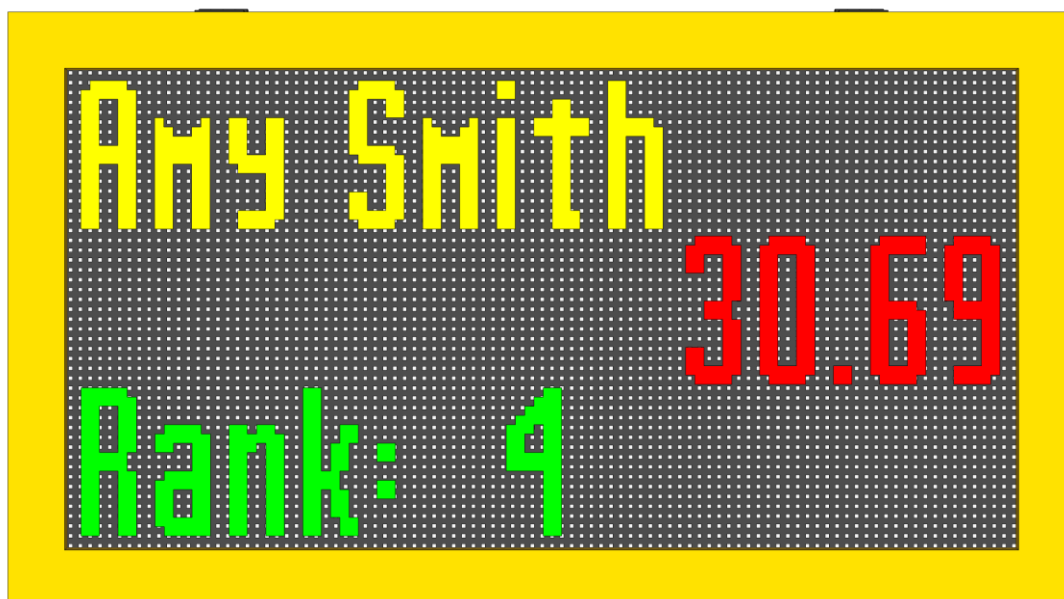
2.9 LED Display

Item	Details
LED Display	<p>Model: 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.



2.10 LED Display

Item	Details
LED Display	Model: 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.



2.11 Meet Management Server

Products	Details
Meet Management Server	<p>Model: KS-MMS-MINI</p> <p>Size: 260x135x35 (mm)</p> <p>Weight: 1.0 KG</p> <p>Input Voltage: 12V DC</p> <p>RAM: 4GB</p> <p>CPU: Intel J3160</p> <p>Hard Disk: 64G</p> <p>Communication: LAN*1</p> <p>Port: VGA*1, DP*1, USB*2</p> <p>Functions:</p> <ul style="list-style-type: none"> ● Easy to create a match, and import the match entry information. ● Arrangement the match with variants of game systems. Including elimination, round-robin, etc. ● Provide the match information to the scoring software on each venue/court. ● Gather the real time score and statistics information from the scoring software. Monitor the progress of the match. ● Generate standard reports for the match, including start-list, results, combined results, ranking, etc. ● Print certifications with adjustable print templates. ● Print the team score report. ● Open interface with ODF compatible data feed.

