TimeTronics

Athletics Overview

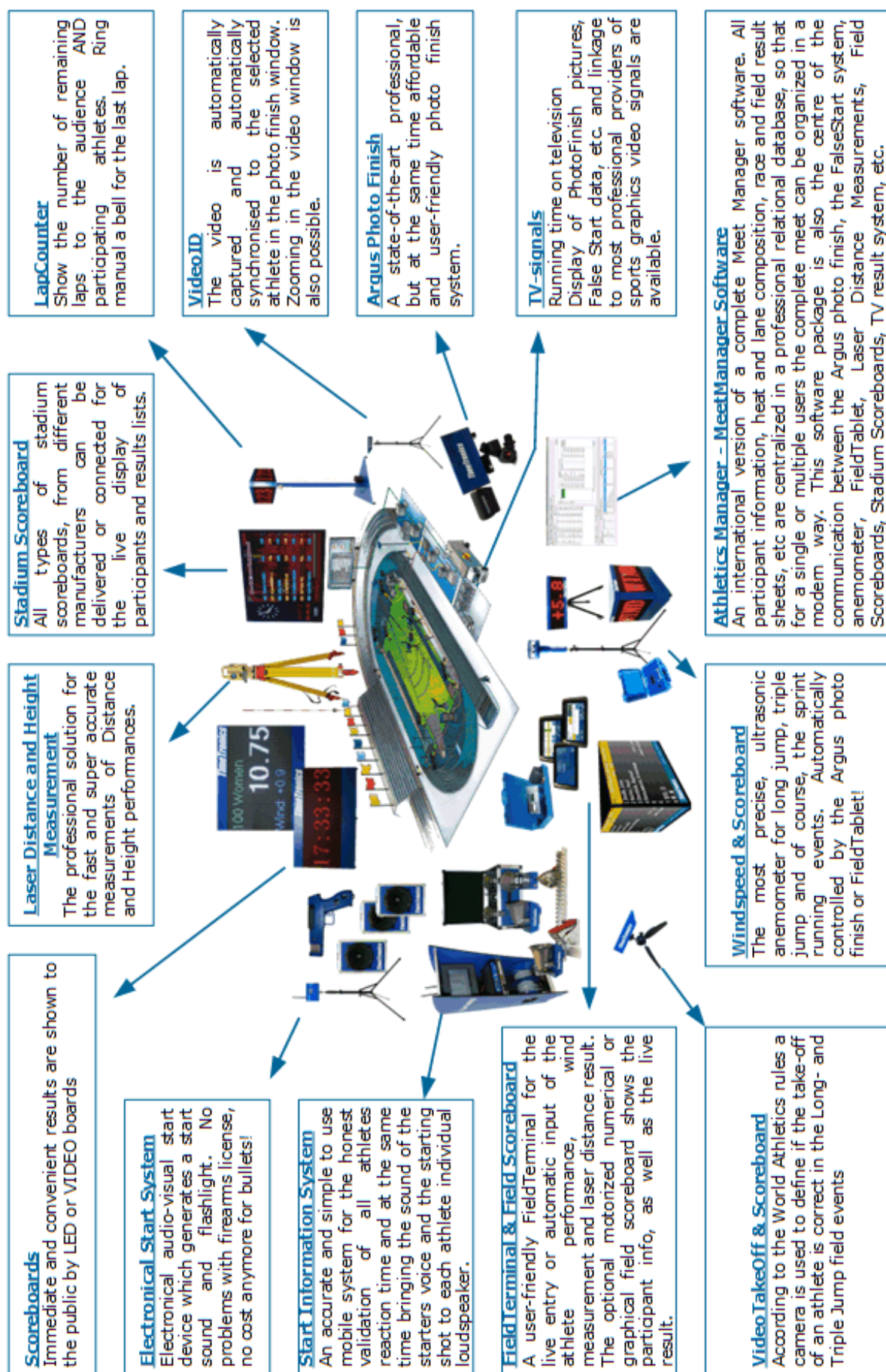**World Athletics Certified**

2025v1

SPORT TIMING SYSTEMS

TimeTronics bv
Lammerdries-Oost 23B
B-2250 Olen, Belgium

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LapCounter
Show the number of remaining laps to the audience AND participating athletes. Ring manual a bell for the last lap.

VideoID
The video is automatically captured and automatically synchronised to the selected athlete in the photo finish window. Zooming in the video window is also possible.

Argus Photo Finish
A state-of-the-art professional, but at the same time affordable and user-friendly photo finish system.

TV-signals
Running time on television. Display of PhotoFinish pictures, False Start data, etc. and linkage to most professional providers of sports graphics video signals are available.

Athletics Manager - MeetManager Software
An international version of a complete Meet Manager software. All participant information, heat and lane composition, race and field result sheets, etc are centralized in a professional relational database, so that for a single or multiple users the complete meet can be organized in a modem way. This software package is also the centre of the communication between the Argus photo finish, the FalseStart system, anemometer, FieldTablet, Laser Distance Measurements, Field Scoreboards, Stadium Scoreboards, TV result system, etc.

Stadium Scoreboard
All types of stadium scoreboards, from different manufacturers, can be delivered or connected for the live display of participants and results lists.

Laser Distance and Height Measurement
The professional solution for the fast and super accurate measurements of Distance and Height performances.

Scoreboards
Immediate and convenient results are shown to the public by LED or VIDEO boards

Electronical Start System
Electronical audio-visual start device which generates a start sound and flashlight. No problems with firearms license, no cost anymore for bullets!

Start Information System
An accurate and simple to use mobile system for the honest validation of all athletes reaction time and at the same time bringing the sound of the starters voice and the starting shot to each athlete individual loudspeaker.

FieldTerminal & Field Scoreboard
A user-friendly FieldTerminal for the live entry or automatic input of the athlete performance, wind measurement and laser distance result. The optional motorized numerical or graphical field scoreboard shows the participant info, as well as the live result.

VideoTakeOff & Scoreboard
According to the World Athletics rules a camera is used to define if the take-off of an athlete is correct in the Long- and Triple Jump field events

Windspeed & Scoreboard
The most precise, ultrasonic anemometer for long jump, triple jump and of course, the sprint running events. Automatically controlled by the Argus photo finish or FieldTablet!
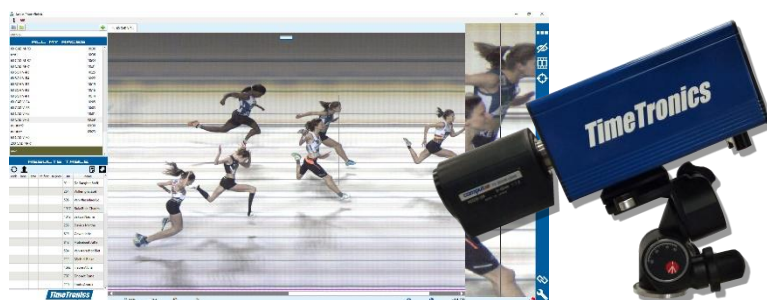
1. Argus photo finish

Introducing to you our 2020 new generation photo finish camera "Argus"!

We can offer you this **state-of-the-art camera** as a complete professional photo finish configuration with mobile cable reels or a fixed underground cabling solution. Our "Argus Selection Chart" (added to every TimeTronics photo finish quotation) will give you an overview of the **predefined setup.** We deliver your system with a standard C-mount 8-48mm f1.2 lens and standard camera head and tripod mounting, or further defined to your needs.

Major software advantages:

- High light sensitivity
- High recording speed
- Video alignment system
- Continuous recording
- Instant readout of results
- Virtual photocells
- Transponder integration
- Multi-language
- Multi-sport

Comparison Argus Club and Argus Pro software versions

Specifications	Argus Club version	Argus Pro version
Camera connection	Ethernet (Distance virtually unlimited)	Ethernet (Distance virtually unlimited)
Max. vertical pixels	1.280 pixels	1.280 pixels
Max. recording speed	2.000 lines/second	3.000 lines/second Upgradable to 5.000 lines/second
Aligning camera	Instant video image of finish line (Preview)	Instant video image of finish line (Preview)
Optics (lens)	C-mount	C-mount
Lens control	Manual, Option: Motorized	Motorized
Camera power	POE (Power-Over-Ethernet) + battery powered	POE (Power-Over-Ethernet) + battery powered
All start signals registered	Yes	Yes
Presentation mode	*Optional*	Yes
Instant readout of results	Yes	Yes
Continuous recording	No	Yes
Transponder integration (*1)	*Optional*	Yes
Database integration (*2)	Yes	Yes

*1 Transponder: Transponder package not included in standard Argus photo finish configuration
*2 Database: Database software not included in standard Argus photo finish configuration

2. Start Information System (SIS): FalseStart III

The wireless FalseStart III system is an accurate and simple to use mobile system for the **honest validation of all athletes reaction time** and at the same time bringing the sound of the starter's voice and the starting shot to each athlete individual loudspeakers.

FalseStart III Pro
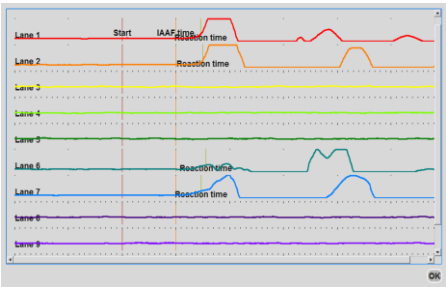
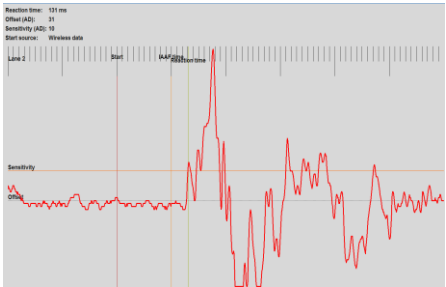| 8 lanes Pro **TTC-213**	10 lanes Pro **TTC-215**

Caddy on wheels with touchscreen and central unit

Starting Block not included

Pro start module

Example: Overview screen

Example: Graphic display start action

Example: Graphic display start action (1 athlete)

3. WindSpeed

Our WindSpeed is the most precise, **ultrasonic anemometer** for long jump, triple jump and of course the sprint running events, in that case automatically controlled by the photo finish software.

Optional: **3-digit model scoreboard**
It is simply connected to the WindSpeed apparatus by means of a serial cable which is part of every photo finish delivery.

TTC-1090

TTC-310

4. Electronic Starting Device with SpeakerBox

It is an electronic audio-visual start signal generator that can be used for all types of events. It generates a start signal ("beep" or "bang") by **sound and flash light**. It does not make use of gunpowder/bullets and is safe to handle and storage.

The TTC063 Electronic starting devices should always be used in combination with a speaker sound box TTC123, to be able to hear the starting sound. You can add maximal 2 extra speakers TTC-124 (1 box per configuration)

TTC-063

Pro version

TTC-123

TTP-1248

TTP-1225 + TTP-075

TTP-1226

TTC-124

TTC-124

5. VideoID II

Our VideoID is a video camera which captures head-on video images from the finish line to assist the photo finish operator with the identification of the athletes.

Advantages of the newest VideoID II generation of our TimeTronics video identification system:

- Higher **light sensitivity** of the camera
- **Less than 5 minutes of setup**
- **Automatic recording and playback**, no operator needed
- Very user friendly interface: **instant view and synchronization**
- **Full screen** image
- Affordable
- Higher frame rate: **sharper images**
- Faster use (no transfer of file needed)
- No power at inside track needed (**Power Over Ethernet**)

Full screen BIB-numbers to **assist** the photo finish operator

TTC-035 VideoID II with notebook

6. Track scoreboards

Single sided timing scoreboard 6x15

Included: Scoreboard, tripod, rechargeable battery, battery charger and remote control.

For a small and easy to handle timing display you can choose for our LED 8 digits model of 15 cm scoreboard, with its standard "rectangular" design, including tripod and remote control.

TTC-409

Small timing display LED boards

Included: Scoreboard, support bars, LED scoreboard manager software, power supply and remote control.

With LED Timing displays you can give extra information to the athletes and public. You can place them wherever you want on the track. A small program is added to the photo finish software and will automatically run in the background.

> P10 LED board full colour (128x48 pix) (W128xH78xD6cm)
> Display size: W128cm x H48cm
> Different setup 1, V shape or Triangular

TTC-464

Large timing display LED boards

Included: Scoreboard, support bars, LED scoreboard manager software and power supply.

- Small depth: 6cm
- Display size = 128x80cm, total board height = 115cm
- Different setups possible
    - One board: "low cost" timing board
    - Two boards: in "V"-shape, or double sided.
    - Three boards: triangular shape, for display in ALL (360 degrees) directions

> P10 LED board colour (128x80 pix) (W128xH115xD6cm)
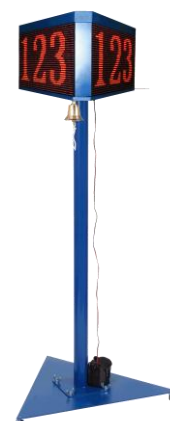> Display size: W128cm x H80cm

TTC-466

Triple-sided Lap Counter

Included: Scoreboard, pole, foot, rechargeable battery, battery charger and remote control.

Used to show the number of remaining laps to the audience and the participating athletes. A manually operated bell is used to indicate the participants that the last lap is initiated.
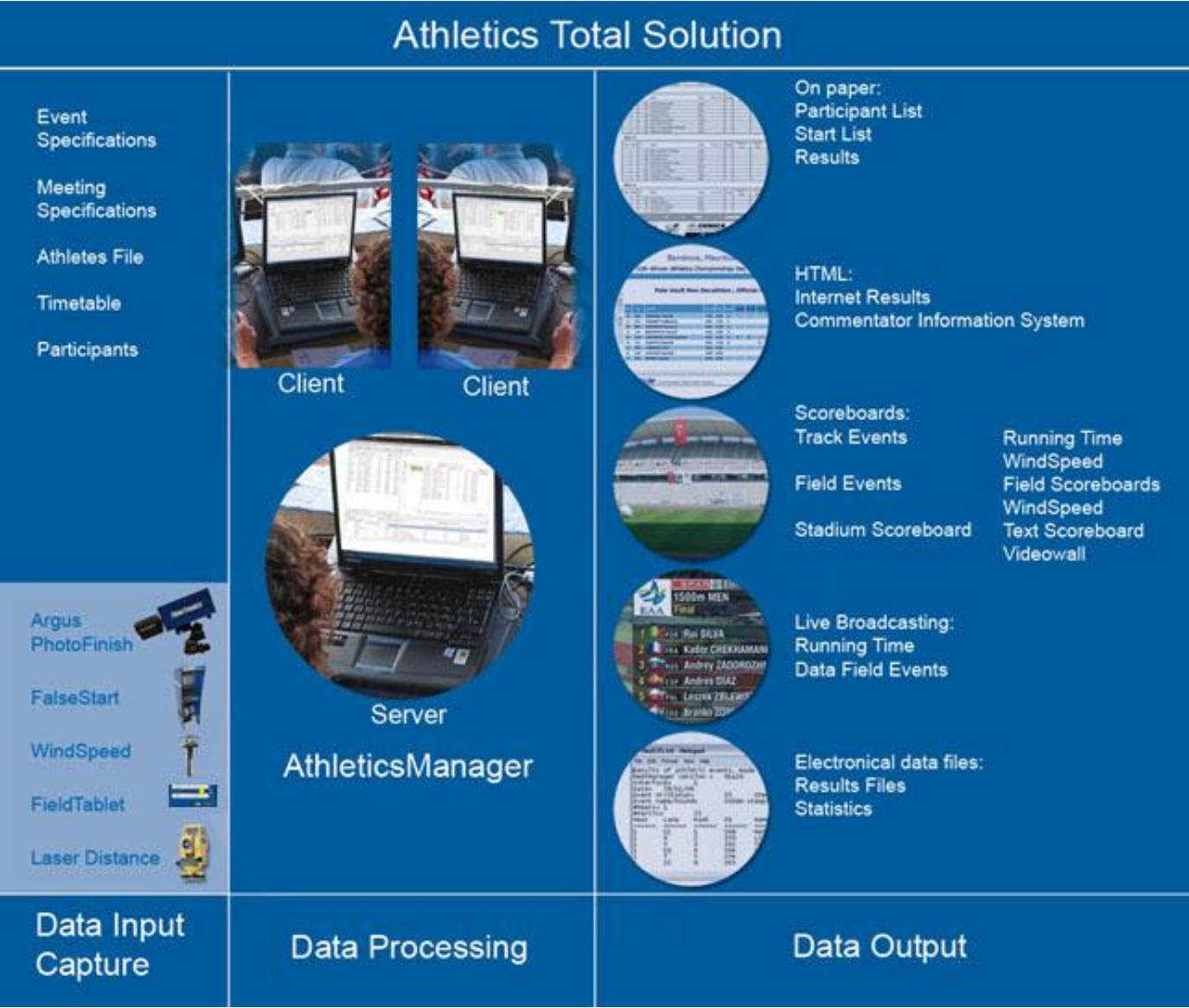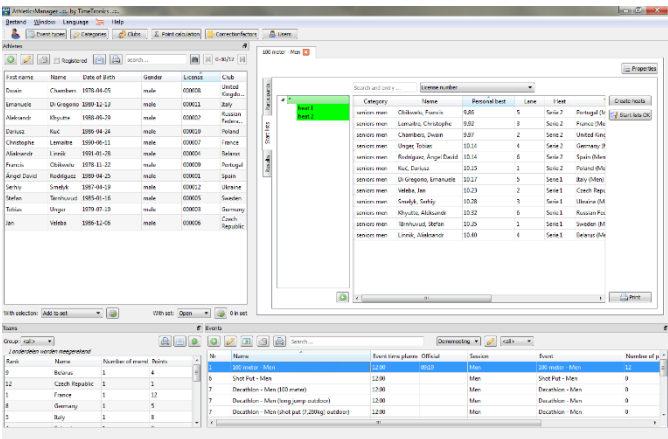
TTC-419

7. AthleticsManager

WHAT?

AthleticsManager is a software program (client-server database), running on a central computer network, in which all athletics information of the meeting is centralized. It is a system to organize your meeting: **faster and correct**.
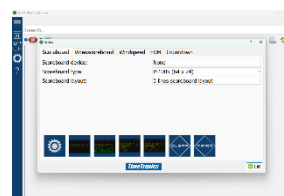
EVERYBODY WANTS INFORMATION, LIVE !

WHY?

"AthleticsManager is there to prevent that even a single person would leave the stadium, with the feeling that the athletic meet could be compared with a football match of which no one knew the final score after the match…".

Athletics Total Solution

Data Input Capture

Event Specifications
Meeting Specifications
Athletes File
Timetable
Participants

Argus PhotoFinish
FalseStart
WindSpeed
FieldTablet
Laser Distance

Data Processing

Client   Client

Server
AthleticsManager

Data Output

On paper:
Participant List
Start List
Results

HTML:
Internet Results
Commentator Information System

Scoreboards:
Track Events   Running Time
                      WindSpeed
Field Events   Field Scoreboards
                      WindSpeed
Stadium Scoreboard   Text Scoreboard
                      Videowall

Live Broadcasting:
Running Time
Data Field Events

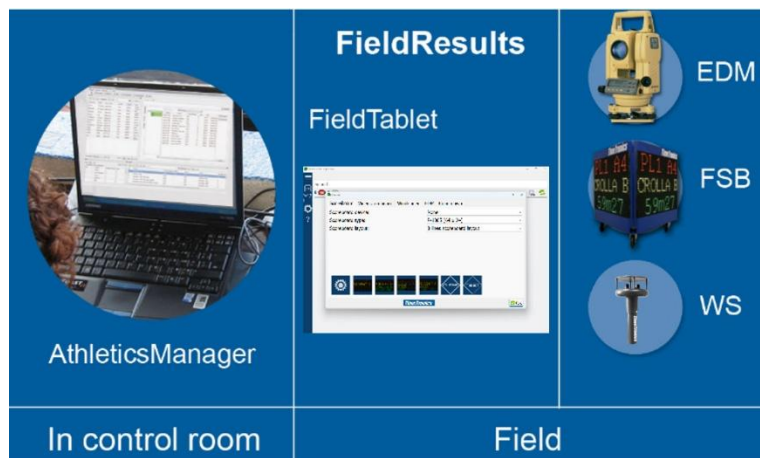Electronical data files:
Results Files
Statistics

8. FieldTablet / FieldComputer (data entry system for field events)

The TimeTronics **FieldApp** is an electronic device used by the officials or volunteers in the field, allowing them to **easily enter, edit and confirm all field event results**. This **user-friendly** system makes it possible that the officials or volunteers can be trained in only a few minutes of time. FieldScoreboards can also be integrated allowing the spectators, the press, the stadium speaker and the athletes to **view the results in real time**.

TTC-245

Optional P-1121

Carrying case

9. Laser distance and height measurement system (EDM)

Our **laser distance** and **height measurement system** can measure athletic events such as javelin, shot put, hammer throwing, discus, triple jump, long jump, high jump and pole vault.

TTC-600   **: to connect with FieldTerminal / FieldTablet ***
TTC-601   **: stand alone, inclusive mini PC**
  * For FieldTablet connection ask more info, additional equipment required

10. WindSpeed II

Our **WindSpeed** is the most precise, ultrasonic **anemometer** for long jump, triple jump and of course the sprint running events, in that case automatically controlled by the photo finish software.

TTC-1090 is need to work with the WindSpeed II standalone or if you would like to connect a scoreboard

TTC-1090

TTC-310

Optional: **Scoreboard**

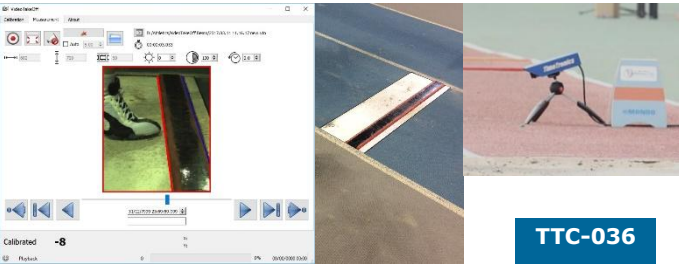**TTC-425: WindSpeed I**
TTC-435: WindSpeed II

TTC-414: WindSpeed I
TTC-432: WindSpeed II

11. VideoTakeOff

If you are looking for a **visual help** when determining where the **athlete has placed his foot** for the take off in long jump/triple jump, our VideoTakeOff is what you would definitely need!

It shows the **calibrated result** in matter of seconds. Useful for both competition and training.

Optional: **Scoreboard**

TTC-036

TTC-437

TTC-431

12. Field scoreboards

Countdown scoreboard

Included: Scoreboard, tripod, rechargeable battery, battery charger and remote control.

To display the remaining time in athletic field events (countdown), or to show an up counting time during races or training events with only 3 digits (H:MM or M:SS or S:hh).

TTC-436

TTC-430

WindSpeed scoreboard

Included: Scoreboard, tripod, rechargeable battery, battery charger and remote control.

This 3-digit WindSpeed scoreboard model shows you the wind measurement of your WindSpeed system. It is simply connected to the WindSpeed apparatus by means of a serial cable which is part of every new photo finish delivery.

The LED WindSpeed scoreboards show the result of the measurement in red digits.

TTC-414: WindSpeed I
TTC-432: WindSpeed II

TTC-425: WindSpeed I
TTC-435: WindSpeed II

Small field event LED boards

Included: Scoreboard, support bars, LED scoreboard manager software, power supply and remote control.

The most attractive solution are of course our triple sided LED field scoreboards. As a good alternative you can use for the field events a small LED board. This board will display participants and results of field events in 1 direction. Of course you can put 2 or 3 of these LED boards in a "V" shape or a triangular shape to display the field result to the public.

TTC-464 — P10 LED board full colour (128x48 pix) (W128xH78xD6cm)
Display size: W128cm x H48cm

TTC-481 — Optional event panels: set of 8 name panels
(long jump, triple jump, high jump, pole vault, shot put, javelin, discus, hammer)
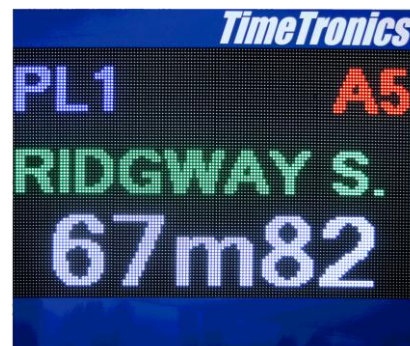
JAVELIN

TTC-464

Large field event LED boards
Included: Scoreboard, support, LED scoreboard manager software, power supply and remote control.

- Small depth: 6cm
- Display size = 128x80cm, total board height 115cm
- Different setups possible
  - One board: "low cost" field board
  - Two boards: in "V"-shape or double sided.
  - Three boards: triangular shape, for display in ALL (360 degrees) directions

TTC-466	P10 LED board colour (128x80 pix) (W128xH115xD6cm)
	Display size: W128cm x H80cm

Triple sided LED field event scoreboard with wheel frame
Included: Scoreboard, support, LED scoreboard manager software and power supply.

- Small depth: 6cm
- Display size: 128x80cm on three sides, total board height: 115cm
- Display of 360 degrees
- P10 LED board color (128x80pix)

TTC-495

Optional wheel frame (triangle)

TTC-468

Triple sided LED colour scoreboard

on a wheel frame

3x TTC-466 + 1x TTC-495

Optional event panels
Included: set of 8 name panels

- Easy to attach to the boards through magnets
- Events
  - *long jump, triple jump, high jump, pole vault, shot put, javelin, discus, hammer*

JAVELIN

TTC-481

Optional event panels: Set of 8 name panels

Video field scoreboards

- Various pixel pitch (4mm, 10mm,14mm,16mm, …)
- FULL colour video display
- Programmable light intensity
- Different sizes possible (width x height)
- Wheel frame and event panels possible

13. Stadium scoreboards

Mobile (LED) scoreboards

Mobile LED scoreboards placed on a trailer,
completely operational in minutes!

- Single colour, 3 colours graphical or full colour video
- Various character heights (5, 10, 15, 20, 25cm…)
- Single or multiple lines possible
- All # of characters & # of lines possible
- Tailor made scoreboards, colours on request
- 220Vac or optional 110Vac power supply
- Drivers available for different applications

Stadium VIDEO boards

- Various pixel pitch (4mm, 10mm, 20mm, …)
- FULL colour video display
- Can be used for TV-camera video data,
  but also for computer video data
- Up to > 5000 NIT intensity
- Programmable light intensity
- All sizes possible (width x height)

Disclaimer:

- *All pictures shown are for illustration purposes only, actual product may vary.*
- *TimeTronics cannot be held liable for possible errors in this document.*
- *All specifications and descriptions provided herein are indicative and may be different from the actual specifications and descriptions for the delivered product.*