



PHOTOVISION®

HIGH-SPEED PHOTO-FINISHES

CONSISTENTLY DELIVER IMMEDIATE,
CLEAR AND PRECISE RACE RESULTS



PHOTOVISION®

PhotoVision is a sports timing **full-frame** camera solution available in 200 frames-per-second that delivers full-color, time-stamped photos to evaluate athlete results with ease and maximum accuracy. PhotoVision produces fully automatic timing (F.A.T.) results accurate to 1/200th of a second. F.A.T. compliant systems are required by a growing number of organizations such as USATF, IAAF, etc.

BENEFITS



EASY TO DEPLOY

Using the latest developments in optics and electronics, PhotoVision can be set up in less than 10 minutes and will allow you to capture crystal clear color photos immediately.



EASY TO USE

With Live View and Photo Viewer, Time Markers, Light Adjustment and Auto-Capture, and the full-frame camera solution, you'll be able to quickly and accurately determine finish order and times to 1/200th of a second.

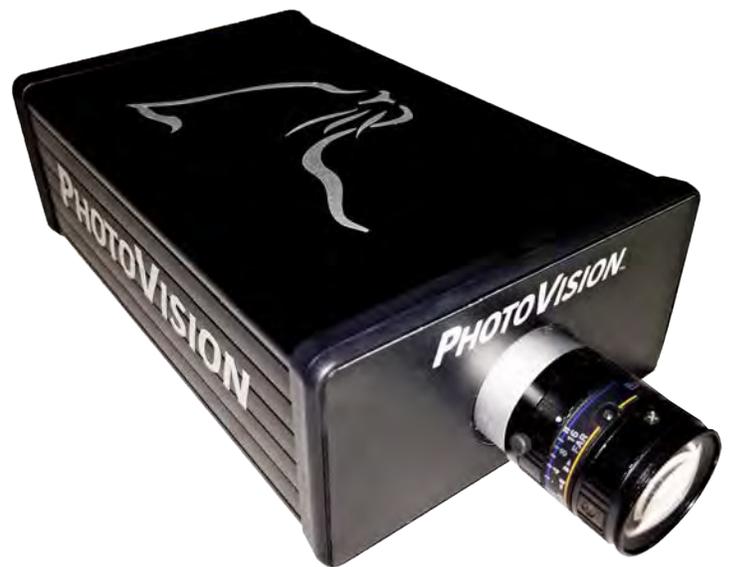


PhotoVision shown with optional FATcap Transmitter, Receiver, and standard tripod.

PERFORMANCE & SPECIFICATIONS

PhotoVision

Features	PhotoVision 2000
Line Scan Equivalent Frames Per Second	1,800
Focus Capabilities	Fixed/Variable
Resolution	1280 x 1020
Color/Black & White	Both
Computer Interface	USB 3.0/3.1
Supports 6-25 mm lens	YES
Variable Brightness & Gamma	YES
Photo Enhancement Tools	YES
Zoom - Manual & Digital	YES
Automatic Capture	YES
Integrates with Laser Curtain	YES
Communicates with Digital Clock	YES
CSV File Export of Timing Data	YES
Supports FAT for Track & Field	YES
Windows 8 or 10, Home or Pro Versions	YES





FATCAP

The FATCAP Transmitter and Receiver are the heart of the F.A.T. (Fully Automatic Timing) solution of PhotoVision. When a starter pistol is fired, the FATCAP Transmitter sends an electronic start signal to the FATCAP Receiver, which is connected via USB to the Windows computer running the PhotoVision Software. The FATCAP Receiver includes two ports for Jaguar accessories, including our digital lasers. Now you can trigger photo capture automatically and send finish times to the optional Jaguar Digital Clock. Times are recorded to 1/200th of a second!

BENEFITS

- ✓ **EASE OF USE**
Lightweight wireless Transmitter that detects starter pistol firing while ignoring crowd noise and loud music.
- ✓ **WIRELESS**
Forget about messy cables. Transmit the PhotoVision start signal up to nearly 2,000 ft (600 m) away from the FATCAP Receiver.
- ✓ **MULTIPLE INTERFACES**
Supports multiple lasers for triggering photo capture and updating a Jaguar clock with the winner's finish time.



TRANSMITTER



RECEIVER

PERFORMANCE & SPECIFICATIONS

PhotoVision » » » HOW IT WORKS

1

The mic attached to the Transmitter captures the sound of the gun when it goes off.



TRANSMITTER

2

The FATcap Transmitter then instantly sends the start signal wirelessly to the PhotoVision Receiver.



RECEIVER

3

The Receiver then sends the signal to the laptop and the race begins!

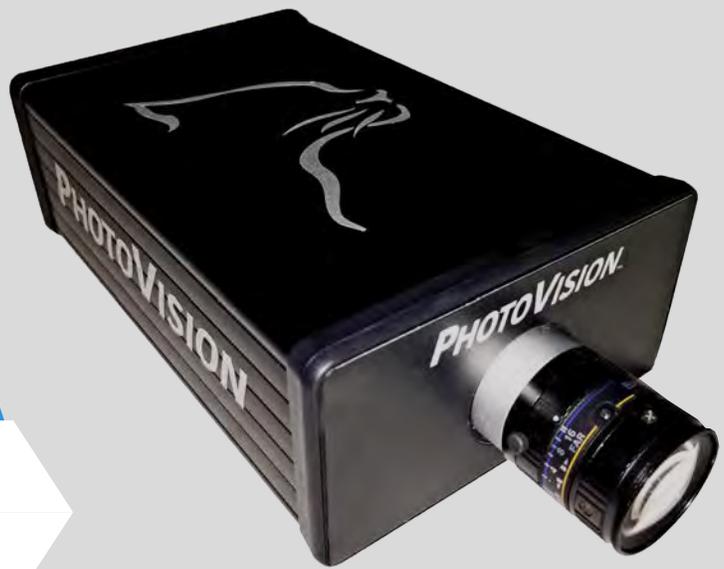


Transmitter	Specifications
Power Supply	Three AA batteries
Battery Life	24 hours of usage
Transmission Range	Up to 2,000 ft (600 m)
Operating Frequency	2.4 GHz range
Protection	Water resistant
Size	5.75" x 3.5" x 1.1" 14.6 cm x 8.9 cm x 2.8 cm
Weight	0.8 lbs/ .36 kg

Receiver	Specifications
Power Supply	USB port on laptop
Current Draw	<500 mA
Receiver Sensitivity	Adjustable
Operating Frequency	2.4 GHz range
Protection	Water resistant
Size	7" x 5" x 2" 17.8 cm x 12.7 cm x 5.1 cm
Weight	1.4 lbs/ .64 kg



SMART INVESTMENT



Question: What makes PhotoVision different, or a better choice, than other products?

Answer: Our firm has over 10 years of experience manufacturing timing and photo products for the sports industry. Our extensive engineering expertise has allowed us to create a new generation of photo solutions that are finally affordable, quick to deploy, easy to use, with amazing features such as intelligent automatic capture, dynamic lighting adjustments, automatic bookmarks, continuous recording, and more.

Question: Do you have specific examples of your product's advantages?

Answer: Yes, our camera captures the entire field of view in **Color**, at a width up to 10 feet (3 m), giving you better images and more frames to work with when identifying athletes. Also, you can use our Jaguar Lasers to automatically start capturing frames when the athletes cross the finish line. In addition, PhotoVision will send the finish time instantly to our Jaguar Digital Clock.

Another advantage of PhotoVision is that it leverages the latest economical USB SuperSpeed standard (USB 3.0/3.1 SS). By comparison USB 3.0/3.1 SS delivers up to 10 Gbps or 10 times faster than Ethernet-based solutions on your Windows i7 laptop. You win on all fronts. PhotoVision is more economical, easier to set up and operate, and most importantly, the operator can view images instantly.

Customer Testimonial...

Despite timing over 250 road races each year, I was nervous about getting into track and field since it is such a different type of race. However, I was able to learn the software and camera setup with PhotoVision very quickly. Innovative Timing Systems has designed a very easy to learn product that provides extremely high resolution images that are both highly accurate, but also easy to view and score an event quickly and seamlessly. I was surprised at how many events reached out to us in our first year and we timed over 15 races in our first season! Not only am I impressed with the product, I am looking forward to purchasing 2 more cameras for next year so we can meet the need in our area."



PERFORMANCE

In summary, PhotoVision:

- Leverages all of the latest technologies in computers (Processor, Graphic Cards, Memory, SSD disk, USB SS interface) to enable capturing full-frame shots in color at speeds of up to 200 fps to disk (for up to 2 minutes continuously).
- Delivers powerful software features to help the operator determine, almost instantly, the finish time to 1/200th of a second.
- Is easy to learn.
- Is up and running in minutes with the wireless FATCAP Transmitter and Receiver.
- Requires Windows i7 computer, 8GB RAM (16GB recommended), 1920x1080 screen resolution, and USB 3.1 port.

PhotoVision Features	Unique Benefits
Lighting Adjustment	Camera lens aperture ring as well as software adjustments
Capture Width	Full-frame color image; generally up to 10 ft (3 m) in width
Photo Viewer	Instant viewing of captured images with rapid scrolling
Lane Markers	Adjustable on-screen markers that make it easy to identify lanes
Live View	View image in real-time exactly as it will be captured
Accuracy	Photos captured with time stamps to 1/200th of a second
Photo Adjustments	Variable zoom and the ability to re-color photos to improve viewing
Data Formats	Interfaces with Jaguar timing products and third party Track & Field scoring software

PACKAGE PRICING

PhotoVision Package Pricing

Standard	Enhanced	Premium
<p>\$4,750</p> <p>PhotoVision 2000 FATcap Wireless Gun Sensor PhotoVision Software Cables Rain/Sun Shield Case</p>	<p>\$6,995</p> <p>Everything in Standard, plus:</p> <p>Premium Tripod</p> <p>AND CHOICE OF</p> <p>7-inch Digital Clock Clock Tripod</p> <p>OR</p> <p>Laser Transmitter Laser Receiver Laser Tripods 50' Laser Cable</p>	<p>\$7,995</p> <p>Everything in Standard, plus:</p> <p>Premium Tripod 7-inch Digital Cock Clock Tripod Laser Transmitter Laser Receiver Laser Tripods 50' Laser Cable</p>

Still have questions?

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