



PHOTOVISION®

HIGH-SPEED FULLY AUTOMATED TIMING SYSTEMS

**CONSISTENTLY DELIVER IMMEDIATE
AND PRECISE RACE RESULTS**



PHOTOVISION®

PhotoVision is high speed sports timing solution that offers full-frame, full-color, time-stamped photos. It 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, Photo Viewer, Time Markers, Light Adjustment, Auto-Capture, and full-frame images, you will be able to quickly and accurately determine finish order and times to 1/200th of a second.



INTEGRATION

Integrates with all Meet Management Software including: Milesplit, Hytek, MeetPro, EZ Meet Manager, RaceTab and more!

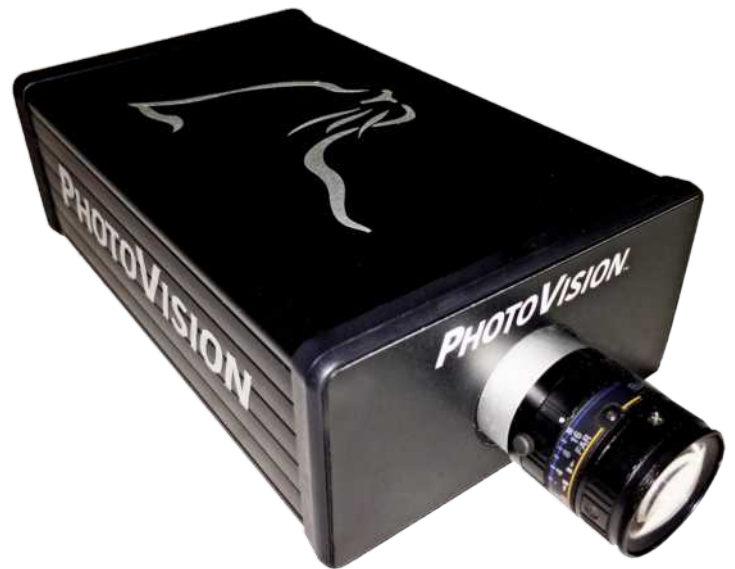


PhotoVision shown with optional
FATcap Transmitter, Receiver, and standard tripod.

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 wireless 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 PhotoVision Software. The FATcap Receiver includes two ports for Jaguar accessories. Accessories include lasers which can trigger photo capture automatically and send finish times to the optional Jaguar Digital Clock.

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.



PERFORMANCE & SPECIFICATIONS

PhotoVision » » » HOW IT WORKS



| 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 |



PERFORMANCE

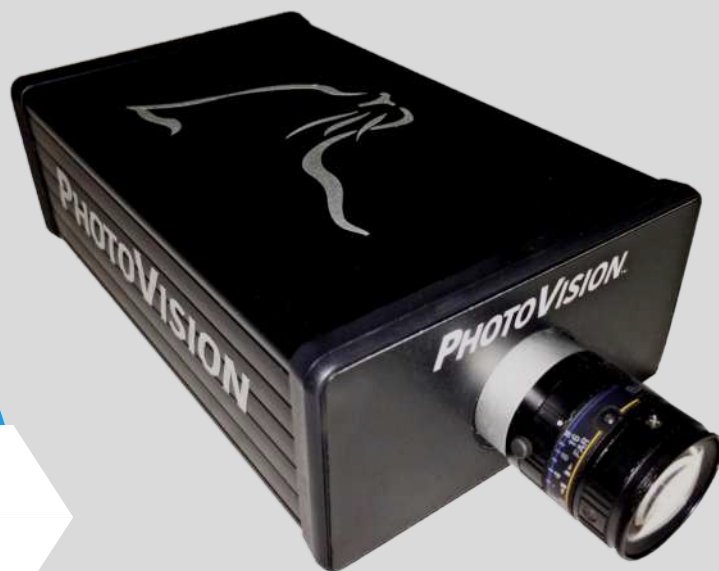


In summary, PhotoVision:

- 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.
- 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 10 operating system with an 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 |

SMART INVESTMENT



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

Answer: Our firm has over 14 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.

PHOTOVISION PACKAGE PRICING

Standard

\$5,499

- PhotoVision 2000
- FATcap Wireless Gun Sensor
- PhotoVision Software
- Cables
- Rain/Sun Shield
- Case

Enhanced

\$7,299

Everything in Standard, plus:

- Premium Camera Tripod
- 7-inch Digital Clock
- Clock Tripod

Premium

\$8,299

Everything in Standard, plus:

- Auto Capture Laser Transmitter
- Auto Capture Laser Receiver
- Laser Tripods
- 50' Laser Cable

Annual software license of \$499 required. First year included with purchase.

Still have questions?

**CONTACT
A PHOTOVISION
REPRESENTATIVE**

314.737.4900
info@innovativetimingsystems.com