



# X3

Fusion Tracking Technology

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Performance data you can trust

2021



# FLIGHTSCOPE X3

## FUSION TRACKING

FlightScope X3 uses patented Fusion Tracking technology that combines 3D tracking radar and image processing for unmatched data accuracy.



# FLIGHTSCOPE X3



## DATA AND VIDEO COMBINED

Capture data and automatically clip video from multiple camera feeds for every shot



## ENVIRONMENTAL OPTIMIZER

Adjust your environment to plan and prepare for all weather conditions and landscapes



## WEDGE D-PLANE DATA

X3's Fusion Tracking Technology provides the most accurate and consistent wedge D-Plane data in the industry



## ACCURATE PERFORMANCE DATA

Includes 50+ full swing, chipping, pitching, and putting data parameters

**NEW**

### E6 Connect included

X3 now comes with E6 Connect for iOS with 5 golf courses, 17 practice ranges, and online games

### Indoor and outdoor use

No additional license fees for indoor and outdoor setup

### Built-in camera

Enables easy target alignment with auto-leveling for all surface types

### Wireless and portable

Robust 5GHz Wi-Fi hotspot for a stronger and faster connection to mobile devices

### Club fitting capability

Speed and acceleration profiles to verify players are using the right equipment

### Multiple integrations

Compatible with a variety of third-party training aids



# PERFORMANCE DATA CHAMPIONS TRUST

FlightScope has been an integral part of my success on tour. I use my X3 to prepare for tournaments, capturing every single shot on the range and on the course during my practice rounds.

**I use FlightScope because I trust the data and it never misses a shot.**

*Bryson DeChambeau*

**BRYSON DECHAMBEAU**  
**U.S. OPEN CHAMPION**



# FLIGHTSCOPE ENVIRONMENTAL OPTIMIZER

Change your environment without changing your location.

**Plan and prepare for all weather conditions and landscapes by modifying your environment to understand how climate variables affect your shots.**

FlightScope Environmental Optimizer (EO) allows you to configure the impact of:



Altitude



Air Temperature



Relative Landing Height



Humidity



Wind Speed



Wind Direction





# DATA PARAMETERS

## Club Data

Club Path  
Face to Path  
Club Speed  
Face to Target  
Angle of Attack  
Spin Loft  
Dynamic Loft  
Horizontal Swing Plane  
Vertical Swing Plane  
Low Point  
Club Speed Profile  
Club Acceleration Profile

## Ball Flight Data

Carry Distance  
Total Distance  
Smash Factor  
Spin Rate  
Ball Speed  
Spin Axis  
Launch Angle  
Launch Direction  
Vertical Descent  
Apex Height  
Flight Time  
Roll Distance  
Lateral Landing  
Curve  
Shot Type  
Shot Dispersion  
Skills Distance to Pin  
Skills Score

## Putting Data

Putter Path  
Putter Face to Target  
Putter Face to Path  
Launch Speed  
Launch Direction  
Total Distance  
Distance to Pin  
Lateral Position  
Putter Head Speed  
Smash Factor  
In Miss Range  
Skid Distance  
Roll Distance

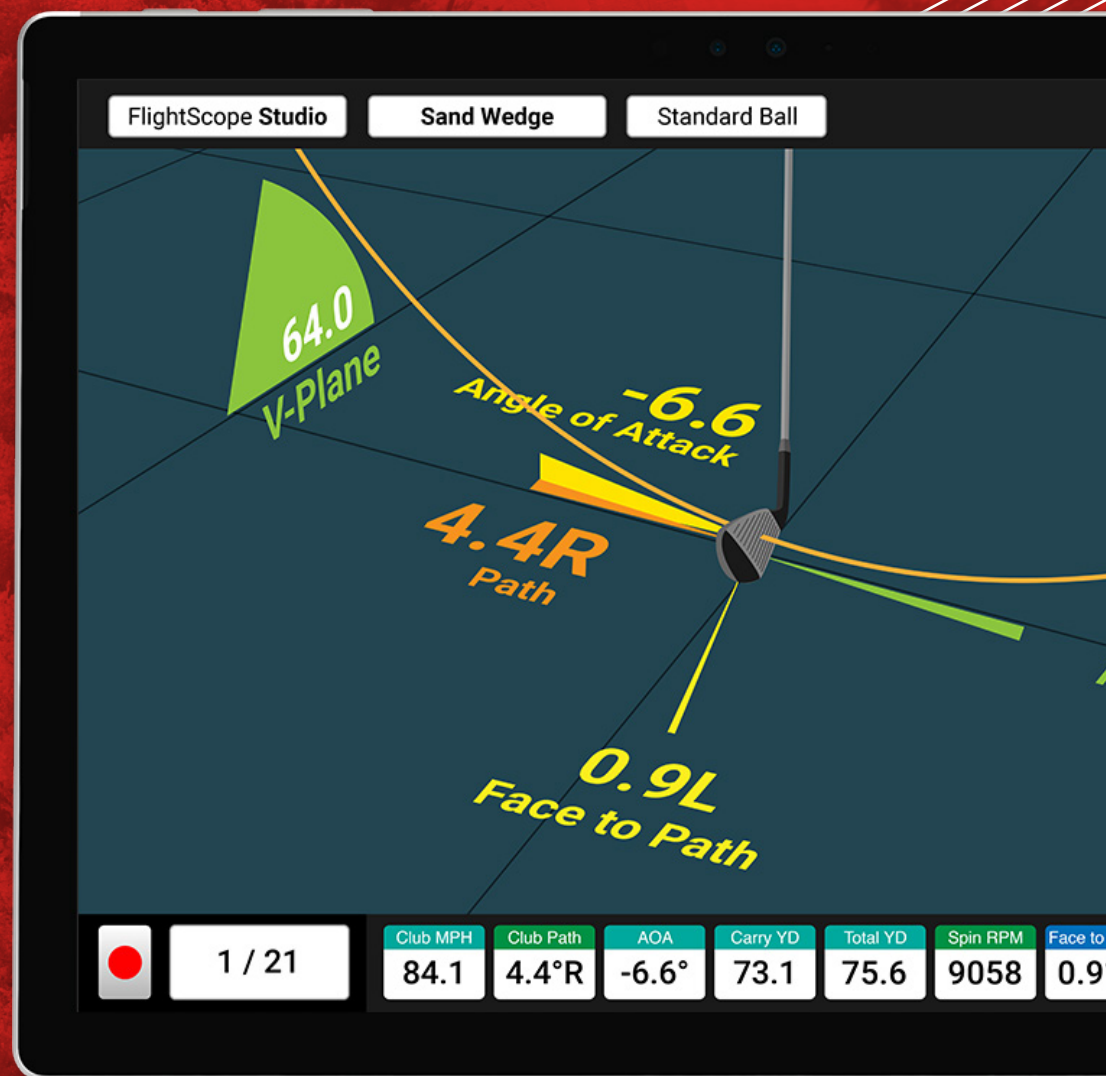
## Chipping Data

Launch Speed  
Launch Direction  
Total Distance  
Distance to Pin  
Lateral Position  
Club Head Speed  
Smash Factor  
In Miss Range  
Roll Distance

# WEDGE TRACKING

The most accurate and consistent wedge D-Plane data in the industry.

The FlightScope X3 provides D-Plane data for valuable insight into your wedge play. Angle of attack, club path, face angles, and dynamic loft are key components to hitting accurate and consistent wedge shots.





# MULTICAM FEEDS

**Automatically record and sync videos from multiple cameras for instant review.**

Using FlightScope MultiCam app with FlightScope Video and Short Game apps, automatically clip video feeds from any angle and pair with radar data for the most effective teaching tool in the industry.





# SIMULATION AND GAMES

Enhance your golf simulation  
experience with FlightScope  
performance data you can trust.

## E6 CONNECT

E6 CONNECT is the highest-quality, most lifelike and customizable golf software ever created. Use it with X3 to teach or train on the driving range, to compete in leagues and online events at a commercial facility, or just play fun games at home with friends and family.

*E6 CONNECT bundle for iOS included with X3 purchase*

### 5 golf courses

Aviara - CA, USA  
Stone Canyon - AZ, USA  
Wade Hampton - NC, USA  
Sanctuary - CO, USA  
Belfry - Sutton Coldfield, England

### 17 practice ranges

### Online games

*Additional courses and content available for purchase or subscription on mobile and PC*

*Also available for purchase:*

 The Golf Club

 Creative Golf 3D





# FS GOLF APP

**A comprehensive and customizable phone, tablet, and watch app allowing users to teach, fit, and practice with radar data, video capabilities, 3D trajectories, and more.**

iOS 12 or later required



## Data Margins and Instant Feedback

Set your minimum and maximum values for any data parameter to train smarter and improve consistency. Receive instant visual feedback with simple green and red data display.



## Customizable Trajectory View

Customize your trajectory screen display and preferred performance data blocks for the ultimate user experience.



## Data and Video Combined

Practice without interruption using the FS Golf app. The app on your phone will automatically record and clip each video before storing it on the app for easy review.



## Apple Watch Interface

Review shots, switch clubs quickly and easily, and check when the radar is ready for the next shot, all on your wrist.



NEW IN 2021

# AUGMENTED REALITY

**Capture and view live 3D trajectories and data on your video with the new AR feature in FS Golf.**

The new FlightScope Augmented Reality feature gives your teaching, club fitting, and practice sessions a live TV broadcast look and feel. The FS Golf app lets you view real-time ball trajectory and data parameter overlays on video clips of selected swings from any vantage point.





# SHORT GAME

Accurately measure short game data parameters for complete lessons and overall game improvement.



## Chipping, Pitching, and Putting

Get instant feedback with various features including trajectory, grouping, speed graph, and more



## Wedge D-Plane

Improve consistency around the green with full D-Plane data for every club in the bag



## Putter Face and Path

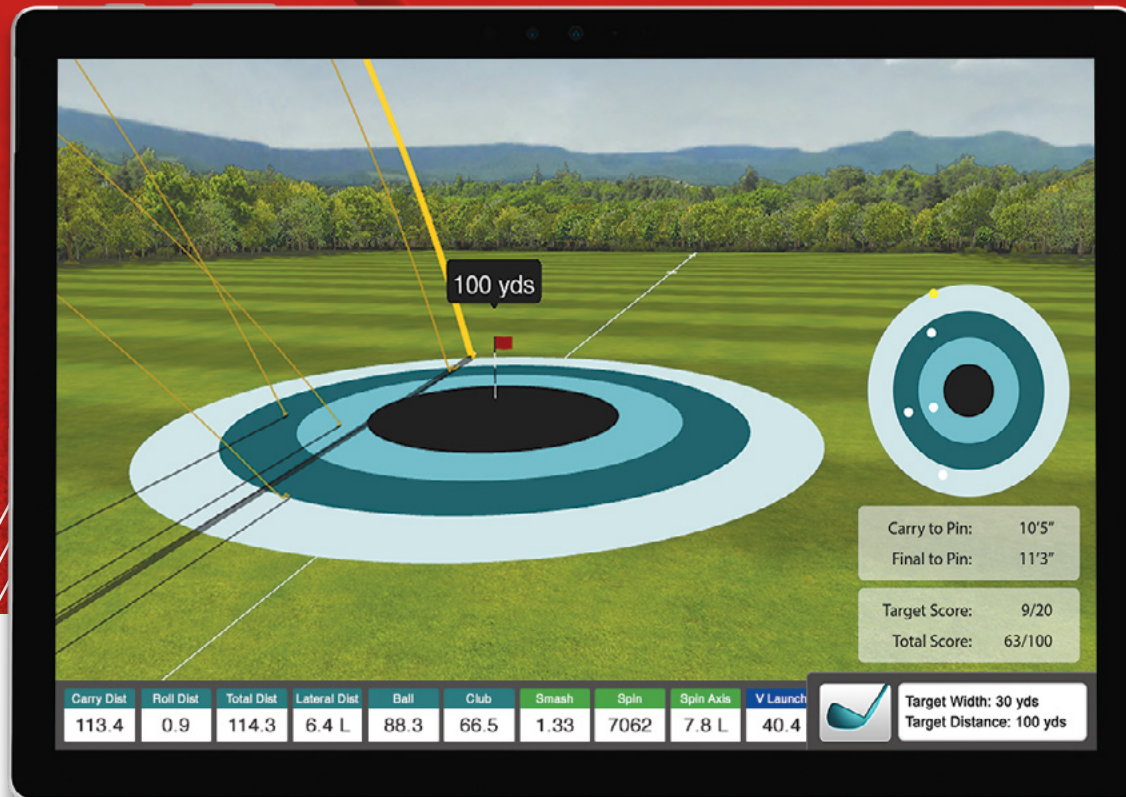
Get better control of your starting lines and improve your putting stroke with face and path tracking



## Simple Pin Placement

Practice multiple putt lengths in one session with slide-controlled pin distance placement





# SKILLS

Evaluate your players with the most advanced and customizable combine assessments available.



## FlightScope Combines

Designed to be the ultimate and most advanced assessment of a golfer's skill level



## Practice Smarter

Use Skills to determine accuracy and skill level for benchmarking and compare performance with players around the world



## Customized Challenges

Practice with a purpose by choosing target size, location, and score values for innovative sessions based on identified weaknesses

# How to use data analysis to improve your game

Professional certifications and FREE learning content

Start now

172.5  
Carry YDS

138.6  
Ball MPH

92.3  
Club MPH

About FlightScope Learning

NEW IN 2021

## FLIGHTSCOPE LEARNING

[flightscope-learning.com](https://flightscope-learning.com)

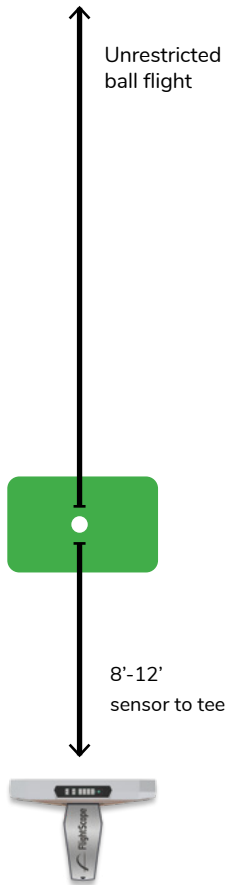
**Industry-recognized  
certification for all  
FlightScope users.**

The FlightScope Learning certification courses are designed for professionals to have a better level of understanding and application of FlightScope technology in their teaching or fitting practices. We provide you with the knowledge you need to hone your skills and provide an added value to your students, customers, and the game of golf.

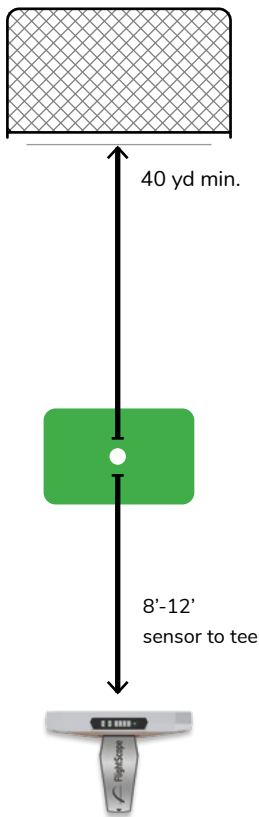


# FULL SWING SETUP

## OUTDOOR

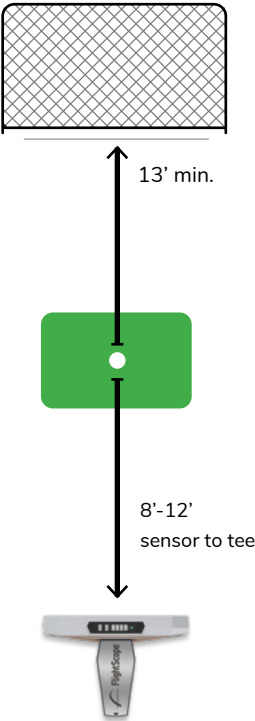


## LONG INDOOR



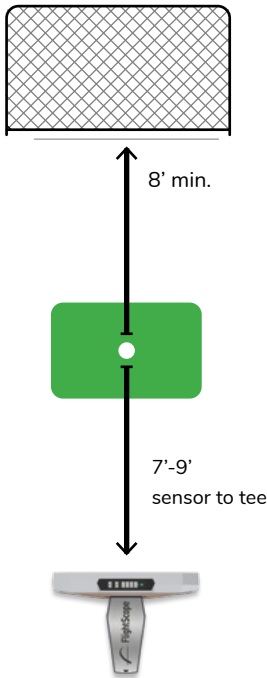
## INDOOR

Metallic dots required



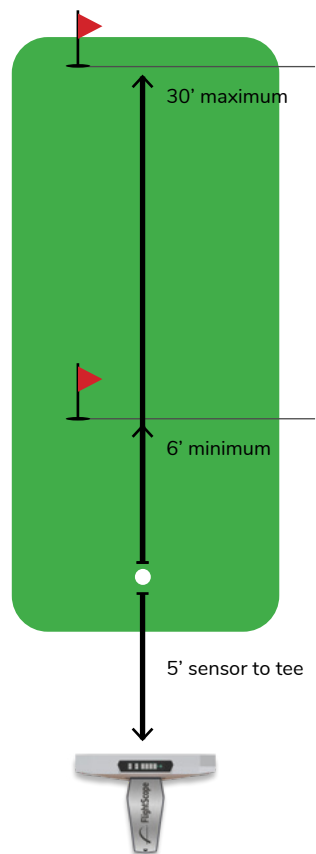
## SHORT INDOOR

Metallic dots required



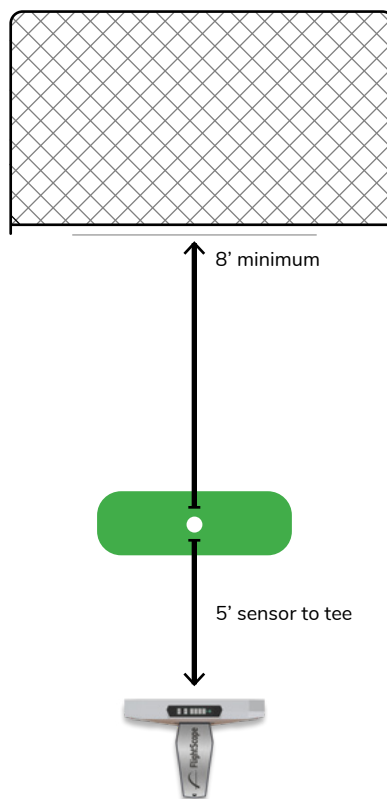
# SHORT GAME SETUP

## PUTTING



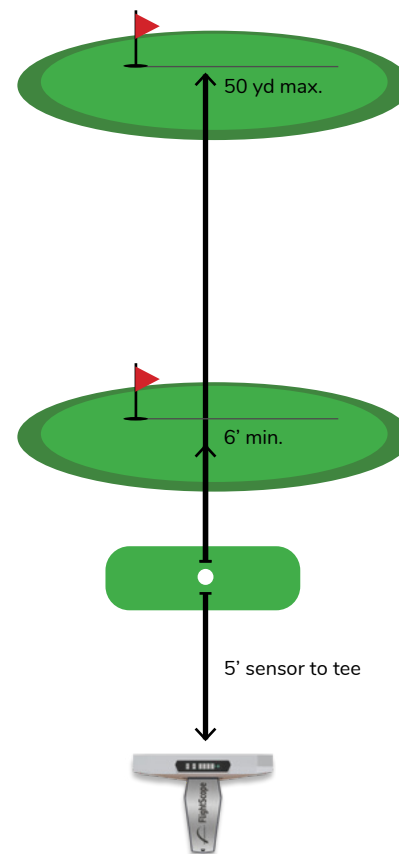
Flat surface required

## INDOOR CHIPPING



Limited flight, metallic dots required

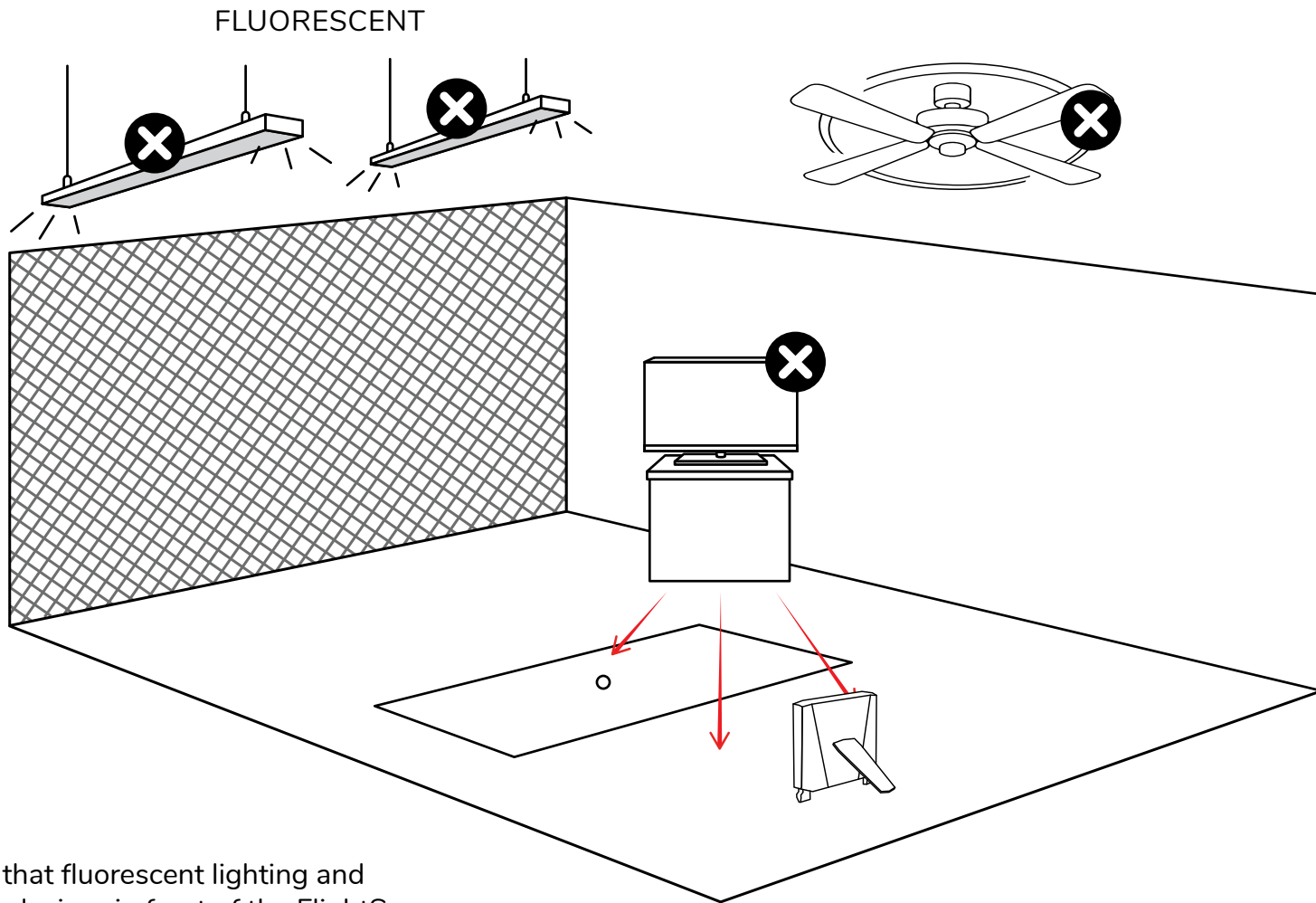
## OUTDOOR CHIPPING



Full flight, less than 50 yards



# X3 ENVIRONMENT



Please be aware that fluorescent lighting and certain electronic devices in front of the FlightScope hardware may cause tracking performance issues.

# ABOUT FLIGHTSCOPE

The industry leader and pioneer in tracking and analyzing sports performance data, FlightScope was founded in 1989 when its proprietary technology was originally used to track projectiles for the defense industry. Turning its attention to the world of sports, it has introduced a variety of innovations to help improve athletic performance in multiple sports categories, including golf, tennis, baseball, softball, cricket and more to come.

Renowned for accuracy and ease-of-use, FlightScope products represent the pinnacle of tracking technology, enabling players and coaches to measure and analyze every aspect of performance with unmatched accuracy.

## FLIGHTSCOPE FIRSTS

**1992**

The world's first autonomous cricket bowling speed radar

**2002**

The first 3D Doppler radar for golf simulators – called "FlightScope TBox"

**2009**

The FlightScope Prime was the first-ever wireless launch monitor for golf

**2016**

FlightScope Strike is the first portable multi-frequency 3D tracking radar for baseball and softball that provides hitting, pitching, and pop time analysis

**2000**

The first 3D Doppler radar in golf

**2003**

The first 3D Doppler radar for golf driving ranges – called "FlightScope The Game," including game software and in-bay TV monitors

**2016**

Patented Fusion Tracking: the first company to combine 3D Doppler tracking radar with image processing

**2019**

The first technology company to give users the ability to configure the impact of altitude, air temperature, humidity, wind speed, wind direction, and relative landing height with FS | EO, FlightScope Environmental Optimizer

**2001**

The first accurate tennis serve speed radar

**2004**

First to integrate 3D Doppler tracking into television broadcasts, as showcased at the 2004 Nedbank Golf Challenge and Battle at the Bridges exhibition



## SUPPORT AGREEMENT

### OPTIONAL

Includes accidental damage from handling coverage

Covers support for hardware, including repairs

Use of courtesy hardware is available to minimize downtime in the case of a repair

Phone-based operation and application training

**\$750 when purchased with the unit**

**\$1,200 after unit purchase**

## HOURS / METHODS



Telephone, email, and online chat-based support is available 6 days a week for all FlightScope customers.

|                        |                        |                |
|------------------------|------------------------|----------------|
| <b>Monday - Friday</b> | <b>8:30AM - 8:00PM</b> | <b>EST/EDT</b> |
| <b>Saturday</b>        | <b>8:30AM - 5:00PM</b> | <b>EST/EDT</b> |

# SYSTEM REQUIREMENTS

## PC

**FlightScope v11**  
**Short Game App**  
**Video App**

Microsoft® Windows 10 (64-bit)  
Intel® Core i5 (quad-core) or faster  
RAM: 8 GB or more  
Free Disk Space: 5 GB or more  
SSD drive for recording from multiple cameras  
USB3 / GigE LAN for external cameras (drivers and proper configuration required)  
USB2 - BodiTrak, cameras / internal cameras (DirectShow compatible)  
2.4 GHz WiFi - X3 radar connection  
Bluetooth LE (4.0) - FocusBand connection

## MOBILE

**VX App**  
**Skills App**

iPad Air or newer with iOS 12 or later  
Requires Android 6.0 or higher

**Video App**  
**Short Game App**

iPad Air or newer with iOS 12 or later

**FS Golf App**

iOS 12 or later





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