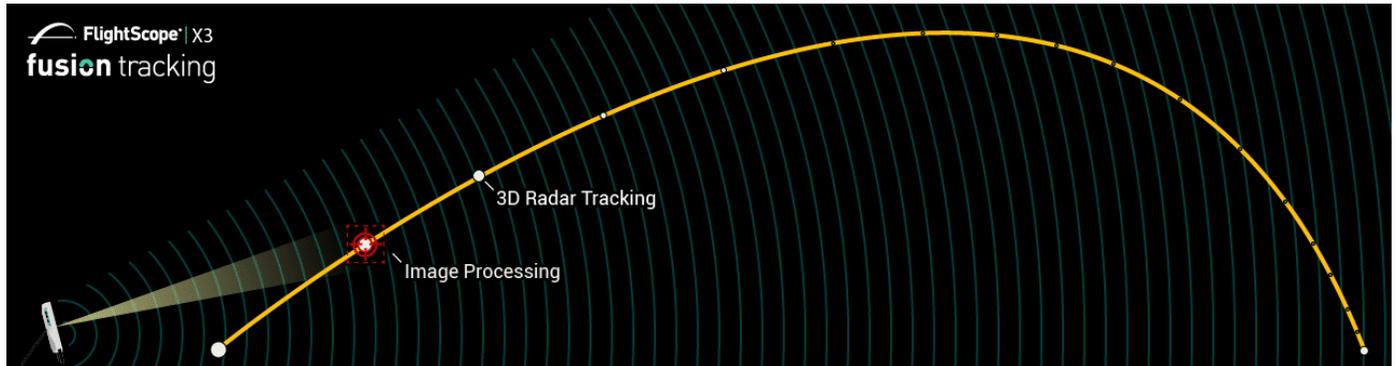


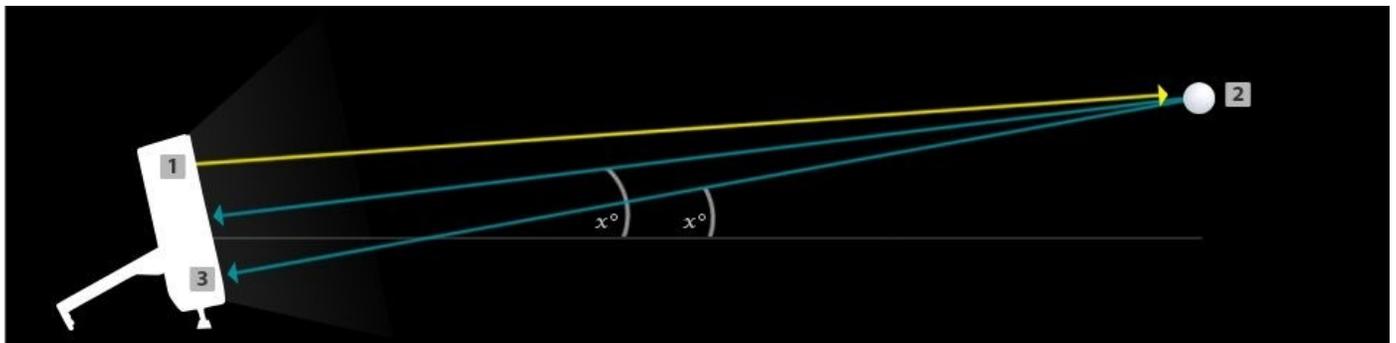
The Technology Behind FlightScope Golf Ball Trackers

Fusion Tracking



Fusion Tracking = Tracking Radar + Image Processing
Fusion Tracking is an innovative combination of 3D Doppler tracking and image processing. Technological advances in the field of image processing made it possible to improve the already accurate 3D tracking radar data for both club and ball measurements.

3D Doppler Tracking Golf Radar

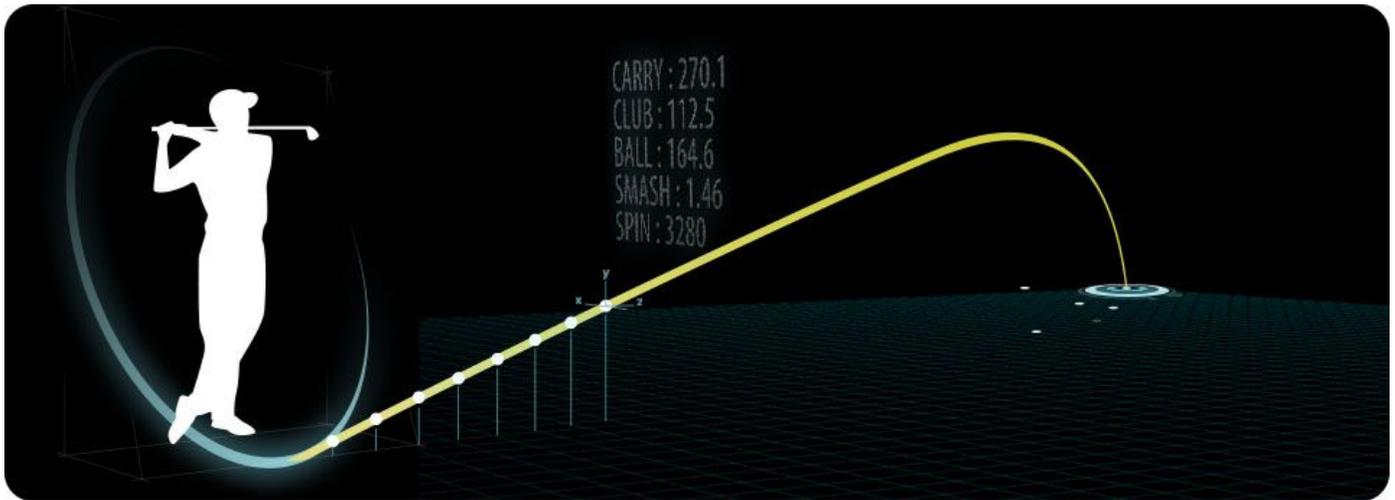


Directions angles are sensed

- 1a. Oscillator Generates microwave signal
- 1b. Antenna Radiates signal
- 2. Moving Object Interferes with signal, reflects some energy, Movement/Doppler Shift

- 3. Phased Array Antenna Detects reflected signal, Compares phase detection

With technology improving the world of sports in leaps and bounds, more accurate sports measurement systems have resulted in improvements not only for players, but for spectators too. 3D Ball Tracking The two main technological aspects of the FlightScope 3D motion tracking device are its radar technology (very similar to that which is used in the military), and its advanced industrial electronics. The patented phased array tracking technology that is used in all FlightScope radar units is the most advanced in the industry today. How does the 3D Doppler Tracking Radar work?



FlightScope's 3D motion tracking devices are not just about ball measurement; they can also help with your golf [swing analysis](#) by measuring 27 variables related to your Ball, Club or Swing, such as:

Ball Data

- Ball Speed
- Vertical Launch Angle
- Horizontal Launch Angle
- Vertical Decent Angle
- Smash Factor
- Spin Rate
- Spin Axis
- Carry Distance

- Roll
- Total Distance
- Lateral Landing
- Apex Height
- Flight Time
- Shot Dispersion
- Distance to Pin
- Skills Score

Club Data

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

The ball's entire trajectory after it has been launched is also tracked, which means you have exceptionally comprehensive ball measurement information instantly available, helping you to improve your golf swing.