Articles Hawk Eye KEY

Hawk-Eye's system uses six cameras, focusing on each goal, to track the ball on the pitch. The system's software uses "triangulation" to pinpoint the exact location of the ball. If it crosses the goal-line, an encrypted radio signal is sent to the referee's wristwatch to indicate a goal has been scored. The whole process takes less than a second to complete.

GoalRef uses a microchip implanted in the ball and the use of low magnetic waves around the goal. The system then detects any change in the magnetic field on or behind the goal-line to determine if a goal has been scored. The process takes less than one second, with the result electronically relayed to the referee.