Goal Line Technology

How it works

How it works

Camera Technology

Hawk-Eye installs 7 cameras per goal, the most common location is on the roof of the stadium, however there is a great deal of flexibility in the camera positions.

Vision Processing

The images from each of the cameras are processed to find the ball within the image and also identify areas which are definitely NOT the ball. The system is able to find the ball if only a small part of the ball is visible in the image. The system can work with any pattern and specific vision processing techniques are used to identify each ball. The system is unaffected by mud on the ball or any adverse weather conditions.
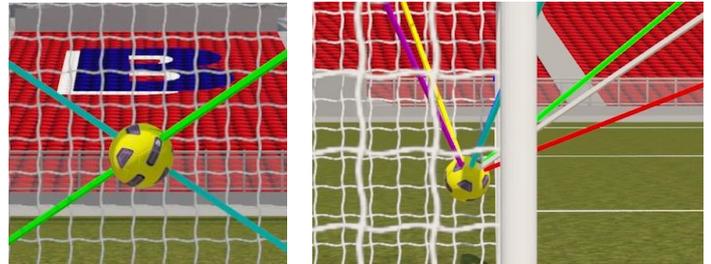
Reliability & Accuracy

The system is able to locate the ball even if it is only found in 2 of the 7 cameras. There has never been a goal line incident where the ball would not have been seen by any of the Hawk-Eye cameras.

The system is mm accurate, which ensures that no broadcast replays could disprove the decision. The system accuracy is not affected by any variances in the painting of the goal line or if the posts are not perfectly vertical.

Goal Alert

Control software combines the information from all cameras and is able to track the ball within the goal area.

As soon as the system detects that the ball has crossed the goal line, it instantaneously sends a signal to the officials' watch. The watch has been developed exclusively for Hawk-Eye by Leikr.

Definitive Replay

Hawk-Eye utilises a dedicated high speed camera capable of removing the players from the image, to ensure the ball is fully visible. This provides the

definitive replay for broadcast and digital media.

Contact

For more information, please contact us:

Telephone: +44 (0) 1256 355011

E-mail: contactus@hawkeyeinnovations.com

Website URL: hawkeyeinnovations.com