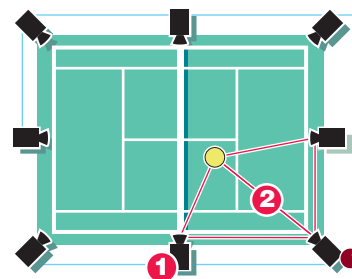


Hawk-Eye on the watch at Australian Open

Following its successful introduction at last year's U.S. Open, Hawk-Eye electronic line-calling makes its Aussie Open debut to help resolve controversial umpiring decisions. It will enable players to make a limited number of line-call challenges, with extra allowed for tie-breaks

HAWK-EYE OFFICIATING SYSTEM



Cameras:

Eight high-resolution, high-speed, black-and-white cameras located around court

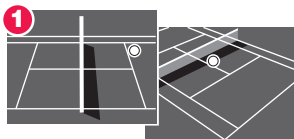
IMAGE PROCESSING

Over 2,000 pictures per second from each camera combined in **control computer**



BALL POSITION

1. Software – calibrated by lines on court – identifies ball in each camera frame



2. 3D position of ball calculated by triangulation from three cameras



Hawk-Eye also logs ball speed, kick, and slice

YOU CANNOT BE SERIOUS!

Umpire will review computer-generated replay when players contest line-calls

3. Position of ball calculated for each frame to map trajectory – and enable exact prediction of bounce point, accurate to within 3mm

Skid and ball compression included in calculation



Only two incorrect challenges allowed per set



One extra if set goes to tie-break



Two permitted in final set



If match tied at 6-6, counter reset for next 12 games

