Player Analysis Technology Approval certificate

Baseline Vision

Test code: PAT-23-029

Serial no: n/a

Software versions:
iOS 12 and later, Android 9.0 and later

Firmware version:
6.013

Issue date: 11 October 2023

Objective: To test and evaluate Baseline Vision Player Analysis Technology according to Rule 31 of the 2023 Rules of Tennis.

Result: Approved

SUMMARY

The Baseline Vision system uses a camera device mounted on the net post to capture and process data. This device includes two video cameras, a processing unit, two speakers and two LED strips. The software on the processing unit allows data such as the 3D trajectory of the ball, ball bounce position and player position to be reconstructed from the camera images.

Players must scan the device QR code using their mobile device on the Baseline app to start data capture. No coaching information is displayed on the camera device. Coaching information, such as match statistics, stroke speeds and ball bounce locations are available on an auxiliary device (e.g. smartphone) via the Baseline app. The LED strips and speakers on both sides of the device provide alerts (e.g. 'in'/ 'out' call, battery status) and are switchable (on/off) through the app settings.

Restrictions on the access by a player to Baseline components during periods when coaching is not and is allowed are as follows:

COMPONENT	NO COACHING	COACHING
Baseline Vision device	Permitted	Permitted
Auxiliary device (e.g. smartphone)	Not permitted	Permitted

NOTE Approval does not attempt to, nor does it in fact, establish the accuracy or reliability of data or fidelity of its transmission, including (but not limited to) the provision of 'in'/ 'out' decisions for the purposes of line-calling.