# Player Analysis Technology Approval certificate

## Zenniz

**Test code:** PAT-24-035

**Serial no:** n/a

**Software versions:**
Ubuntu 18.04.60 LTS
Zenniz app is available for Android and iOS.

**Firmware version:** 1.0.19 (02/05/24)

**Issue date:** 03/03/2025

**Objective:** To test and evaluate Zenniz according to Rule 31 of the 2025 Rules of Tennis.

**Result:** Approved



SUMMARY

Video and audio data is combined using a series of microphones and cameras to track the position of the ball and players across the court through play. 3D ball position and 2D player position data are recorded, which can be used for line calling and performance analysis. A central unit mounted to the side of one net post houses LED screens on either side to communicate data to players including match score and service speed (when not in competitive match mode). A touch screen at the top of the central unit is used to define system mode and communicate data.

Player data is stored securely in a cloud database and can be accessed via personal login to the Zenniz app. In competitive matches, data displayed on the touchscreen is limited to match score and line calling decisions, and the side LED panels limited so no coaching information is displayed. This is controlled through tournament rulesets, which cannot be unlocked by players during the match. Data sent to the Zenniz app is also controlled through rulesets.

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

| COMPONENT | NO COACHING | COACHING |
|---|---|---|
| Microphones | Permitted | Permitted |
| Touchscreen display (in competitive match mode) | Permitted | Permitted |
| Smartphone app | Not permitted | Permitted |