



ELECTRONIA



e - V O T I N G S O L U T I O N S

The highly volatile experience of elections can either consolidate or divide a nation.

Electronia's EIVote system is an advanced direct recording Electronic (DRE) voting system which harnesses multiple state-of-the-art technologies to give a new definition to a major Democratic process. The EIVote station includes Smart card and Biometric based voter authentication, Touch screen based voting, Secure and Direct recoding of the votes, Automatic Printing of the casted vote for confirmation, audit trail using paper ballot and accurate counting.

It's level of careful organization that guards against fraud confers confidence and credibility to electoral results.

An outstanding feature is the way the station was built as an integrated assembly, in a compact, molded military grade enclosure which is waterproof, crushproof, exceeding MIL and ATA specifications.

The ergonomic, user intuitive, and easy to operate design is based on an extremely secure embedded architecture with several layers of hardware and software safe guards, data encryption and audit trails including voter-verifiable paper audit trails.

Comprehensive Solution

Vote Election System offers comprehensive election management solutions. EIVote meets the requirement for voter registration, Voter Identification, secure direct recording electronic (DRE) voting, Automatic printing of ballot, audit trail of paper ballot, election management, vote tabulation, and result reporting. The solution covers the following three phases:

1. Pre election phase

- Voter Registration
- Biometric data capture
- Smart card Voter ID issue

2. Configuration of EIVote station

- Candidate data update

3. Election Day

Voter Authentication by:

- Smart Card ID & Bio
- Touch screen Voting
- Printing of casted vote

4. Post Election

- Accurate Counting
- Audit trail
- Report



During these phases, election authorities perform a few steps from a central location to set up the audit. These steps are performed in a highly automated fashion.

Card Management and Election Management system

EIVote is an integrated solution which encompasses ID card issuance system and Election Management System to define the EIVote stations, candidates and communication platform.



Touch screen Monitor

Contactless Smartcard technology & biometrics

Voter ID card for EIVote is based on contactless Smart card compliant to ISO/IEC 14443 standard, the most secure digital platform that is being used for electronic passport, Visa and other national ID programs.

Biometrics verification makes the voter authentication extremely foolproof. A live finger is captured and verified with the stored fingerprint template of the voter before allowing to cast the vote, avoiding the limitations of the photo ID card.

Geofencing for sensitive regions

For ensuring the location of the polling station and prevent any fraudulence, GPS based Geofencing and enable/disable protection can be provided as an option. This will ensure that the unit will be active only for the intended location as indicated by the geographic coordinates configured with.

Secure communication

Electronia's experience in creating encrypted data communication algorithm is used along with Customer definable keys to create an extremely secure data transfer.

Voter Participation

After voting, each voter is given a receipt that can be used to verify that their whole ballot was handled properly end-to-end. After verification, the voters should insert the receipt in the ballot box as paper vote.

Accurate and Reliable Results

EIVote Election Systems has several methods in place to ensure election accuracy. When a voter casts his ballot using the EIVote system, the ballot selections are immediately encrypted and stored securely within the voting station, providing security and reliable redundancy. With EIVote, every vote counts.