

<b>Physical access control</b>	<ul style="list-style-type: none"> <li>▪ Door Coverage, where each door is secured with locking mechanisms. Doors mate and close in a near seamless manner.</li> <li>▪ The locking method is hasp-type for either physical locks or tamper seals and security screws. Lockout hasps have been created to provide full security and double lock control. Any padlock and/or tamper seal can be used in the lockout hasp.</li> <li>▪ Doors cover the following items:             <ul style="list-style-type: none"> <li>○ Front I/O ports (2 separate doors)</li> <li>○ Side I/O ports</li> <li>○ Thermal Printer</li> <li>○ Battery Slot</li> </ul> </li> <li>▪ Mechanical sensors always in operation on each access point to monitor and log activity</li> </ul>
<b>Paper feed mechanism</b>	<ul style="list-style-type: none"> <li>▪ Physically capable of moving the ballot paper forward into the machine, across 2 image sensors, enabling <u>complete capture of both sides of the ballot</u></li> <li>▪ Three different directions to eject the ballot after read: through a back slot, through a bottom slot, or return the ballot through the front slot</li> <li>▪ <u>Multiple sheet detector</u>, accomplished by an ultrasonic detector immune to ink markings on the ballot</li> </ul>
<b>Ballot sizes</b>	<ul style="list-style-type: none"> <li>▪ Fixed wide size of ballot: 8.5"</li> <li>▪ Unlimited possible length of ballot</li> <li>▪ Limited restrictions to locate voting areas within the ballot</li> </ul>
<b>LCD Screen</b>	<ul style="list-style-type: none"> <li>▪ Quarter VGA display with an ultra high contrast background</li> <li>▪ Built-in touch screen</li> <li>▪ 5.7" diagonal viewing area</li> <li>▪ Power conservation modal during battery power</li> <li>▪ User friendly for voters, poll workers and authorities</li> </ul>
<b>Internal Thermal Printer</b>	<ul style="list-style-type: none"> <li>▪ To print permanent record reports</li> <li>▪ The printer is mounted to an internal component and located at the top back of the unit</li> <li>▪ Is protected behind a lockable door and securely mounted to the unit</li> <li>▪ Resolution: six dots / mm</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>▪ The unit operates with both external AC power or via on-board battery</li> <li>▪ Battery Pack: the unit can accommodate a Lithium Ion or a NiMH battery</li> <li>▪ Power status constantly displayed on the LCD screen</li> <li>▪ If AC is unavailable, the unit continues to operate running on the battery</li> </ul>
<b>Electrical Standards Compliance</b>	<ul style="list-style-type: none"> <li>▪ Safety</li> <li>▪ Electrical Fast Transient</li> <li>▪ Lightning Surge</li> <li>▪ Electrostatic Disruption</li> <li>▪ Electromagnetic Radiation</li> <li>▪ Electromagnetic Susceptibility</li> <li>▪ Conducted RF Immunity</li> <li>▪ Magnetic Fields RF immunity</li> <li>▪ Operating Environment</li> <li>▪ Non-Operating Environment</li> </ul>
<b>Administrator Access Key</b>	<ul style="list-style-type: none"> <li>▪ To access any of the administration functions of the Insight - Image CAST, an electronic security key has to make contact with the key reader</li> </ul>

(Continued)



	<p>CAST, has a corresponding electronic ballot image stored for audit purposes</p> <ul style="list-style-type: none"> <li>▪ All records added to the file are encrypted</li> </ul>
<b>Audit Trail files</b>	<ul style="list-style-type: none"> <li>▪ It contains a chronological list of all messages generated by the Insight - Image CAST.</li> <li>▪ Stored on Compact Flash</li> <li>▪ Includes: system startup messages, system self-diagnostic text messages, all administrator operations; all ballot cast, rejected and diverted, all voter notifications, all system errors, all messages generated by exception handlers, etc.</li> </ul>
<b>Software Validation</b>	<ul style="list-style-type: none"> <li>▪ Previous to process the election, the Insight - Image CAST is validated to ensure that it only contains certified software code, through software self-diagnostics to verify only properly signed files are in the firmware file system.</li> </ul>
<b>Self Diagnose</b>	<ul style="list-style-type: none"> <li>▪ Set of internal diagnostics and Software Verifications</li> <li>▪ Check that each major component is working correctly (motors, sensors, displays, printer, memory, etc.)</li> <li>▪ Checks that no ballots are currently in the paper path</li> <li>▪ Ensures proper software is loaded</li> <li>▪ Ensures that unauthorized access has not occurred</li> <li>▪ If tests are not passed, the machine reports an error and will not enable the unit to tabulate ballots.</li> </ul>
<b>Administrative operational mode</b>	<ul style="list-style-type: none"> <li>▪ Allows the following functionalities:             <ul style="list-style-type: none"> <li>○ Diagnostic tests</li> <li>○ Ballot tests</li> <li>○ Opening poll</li> <li>○ Audlovote</li> <li>○ Closing poll</li> <li>○ Election Statistics</li> <li>○ Ballot Review</li> </ul> </li> </ul>
<b>Election Run operational mode</b>	<ul style="list-style-type: none"> <li>▪ Allows the following functionalities:             <ul style="list-style-type: none"> <li>○ Insert a paper ballot</li> <li>○ Invalid ballot</li> <li>○ Misread paper</li> <li>○ Blank ballot</li> <li>○ Overvoted ballot warning</li> <li>○ Undervote warning</li> <li>○ Ambiguous marking warning</li> <li>○ Multiple sheet warning</li> <li>○ Consecutive sheet</li> <li>○ Ballot confirmation review</li> <li>○ Ballot diversion</li> <li>○ Switching languages</li> <li>○ Switching from AC to power</li> </ul> </li> </ul>

(Continued)

