GXii Imbedded Intelligence.

An added suite of Video Content Analysis options for the Ganz PixelPro & Ganz Thermal G2 Series.

More than 16 Intelligent Features Including:

- Dwell Detection
- Directional Detection
- Removed Object Detection
- Tailgating Detection
- Object Classification
- Object Counting
- Color Filter
- Logic Rules

Security Solutions
by GANZ

Security Driven by Intelligence.
GXi Technology adds a suite of Imbedded Intelligence options to both the Ganz PixelPro and Thermal G2 camera series. The Imbedded Intelligence Technology maximizes your surveillance capability with a powerful set of built-in real-time video analysis tools, WDR with tone mapping and edge recording to SD card.

GXi’s Imbedded Intelligence provides analysis of video utilizing advanced image-processing algorithms for a proactive approach to security management. The result is actionable intelligence in real-time, tailored to your specific security requirements.
These examples represent only a few of the ways GXi’s Imbedded Intelligence enables you to capture the real-time data needed for multiple security applications.

**Imbedded Intelligence Content Analytics**

**Intrusion Detection**  
For perimeter security and crime prevention cameras can be used as intrusion detection sensor. An alarm is generated when a pre-determined object (person or vehicle) crosses into the detection zone. Equally, an alarm is generated when an object crosses from the inside to the outside of a detection zone.

**People and Vehicle Counting**  
This feature counts the people and vehicles that pass through the setup “lines” with precision. It recognizes directions, so it can differentiate whether they are entering or exiting. It can also measure the speed of the objects. This feature is ideal for retail: counting customers, identifying trends and alerting staff when a group gathers in a defined location.

**Stopping and Dwell Detection**  
Objects that are stopped inside a zone, or remain inside a zone for longer than the defined amount of time will trigger an alarm. Ideal for identifying a loitering person.

**Directional Detection**  
Objects that travel in the configured direction (within the limits of the acceptance angle) through a zone or over a line trigger an alarm. This can be used for traffic control and entry/exit monitoring.

**Tailgating Detection**  
Object tailgating is defined as two objects crossing a virtual line or zone within in a pre-defined time frame. This is suitable for vehicles or with people in an access control setting.
# GXi License List

<table>
<thead>
<tr>
<th>Camera &amp; Encoder Functions</th>
<th>Pre-Installed Licenses</th>
<th>Advanced Functions*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Surveillance*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enter/Exit</td>
</tr>
<tr>
<td>1080p Cameras ZN-xxXE Series/ZN1-xx</td>
<td>40</td>
<td>●</td>
</tr>
</tbody>
</table>

| Thermal Cameras ZNT1-H Series | 40 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

| Video Encoder ZS1 Series | Optional | Optional | Optional | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

*Requires license to activate functions (see table below)

**Pre-installed in PTZ camera

---

## Free Licenses

<table>
<thead>
<tr>
<th>GXi Imbedded Intelligence Features</th>
<th>Number of Detection Zones</th>
<th>Surveillance</th>
<th>Counting</th>
<th>Tracking</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZNS-PRES-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ZNS-COUNT-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ZNS-ACCESS-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ZNS-DETECT-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ZNS-FOLLOW-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ZNS-SURV-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ZNS-PRO-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ZNS-ADVANCED-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ZNS-TRACK-1</td>
<td>40</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**ZN-STB-1 - Embedded Video Stabilization

* Not supported on ZNT1-H Series Thermal Cameras

---

CBC AMERICAS Corp.  
East Coast Office  
Tel: +1 919 230-8700

West Coast Office  
Tel: +1 310 222-8600

Mexico Branch Office  
Tel: +52 55 5280 4660

ganzsecurity.com/gxi

All specifications are subject to change without notice.  
© 2018 CBC AMERICA LLC. All Rights Reserved. 07/18