The Essential Viewing TVI video encoders from Network Innovations provide high quality real-time streaming video via satellite or terrestrial networks operating at speeds from 9.6 and 300 kbps.

**TYPICAL APPLICATIONS**
- Covert surveillance
- Border and perimeter monitoring
- Subject tracking and identification
- Remote infrastructure monitoring
- Support of fixed and mobile command structures
- Security & Law enforcement

**TVI C300 VIDEO ENCODER**
The TVI C300 video encoder provides a compact, low power device that enables high quality real-time, low latency video to be viewed over narrow bandwidth networks including GPRS and 3G telecoms networks, satellite networks, tactical IP radios and the Internet.

- Lightweight, compact enclosure with no moving parts for reliable, silent operation
- True real-time video over narrow bandwidths – operates at 9 Kbps to 1 Mbps
- Maintains constant frame rate without exceeding bandwidth limits
- Low latency for accurate PTZ control
- Integrated GPRS / 3G / HSDPA module for reliable networking
- Supports two way audio
- High Resolution Image Retrieval with simultaneous streaming of video
- Low power requirement - nominal 6 watts, 0.1 watt sleep mode
- Wide operational temperature range -32° to +60°, non-condensing
- Multiple viewers in different locations can view live video streams simultaneously
- AES 256 Encryption

**TVI C200 VIDEO ENCODER**
The TVI C200 video encoder provides the same functionality as the C300 only without an integrated GPRS modem.
Essential Viewing
TVI Video Encoders

**TVI R300 Video Encoder**

The TVI R300 video encoder is a ruggedized version of the C300. It is IP67 rated for deployment in harsh environments.
- Robust IP67 rated enclosure with no moving parts for reliable, silent operation
- Low power requirement - sub 7.5 watts fully operational, 0.1 watt standby mode
- Wide operational temperature range -32˚ to +70˚, non-condensing

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Physical Size</th>
<th>L 210mm x W 190mm x D 75mm,* Weight 1200g</th>
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<tbody>
<tr>
<td>Operating Temperature</td>
<td>-32˚ to +70˚, non-condensing</td>
</tr>
<tr>
<td>Audio</td>
<td>Stereo Audio In / Stereo Audio Out</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>9V-36V DC</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>7W max without modem 8.5W max with modem fully operational 5.5W nominal &lt;1.5W Standby mode &lt;0.1W Sleep mode</td>
</tr>
<tr>
<td>Camera Input</td>
<td>1 x BNC composite input</td>
</tr>
<tr>
<td>Video Input Format</td>
<td>PAL / NTSC / SECAM</td>
</tr>
<tr>
<td>1 Alarm Input</td>
<td>Triggers at 5V (24V max)</td>
</tr>
<tr>
<td>Connectors</td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>Configuration of the unit is via USB. The IP67 USB connector has been provided to allow connection to serial based devices.</td>
</tr>
<tr>
<td>RJ45</td>
<td>RJ45 Ethernet connector for ADSL and network lines.</td>
</tr>
<tr>
<td>SIM</td>
<td>The SIM carrier is concealed behind a removable flap. The system is essentially network agnostic so there is no restriction on the network that can be used.</td>
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</tbody>
</table>

**LEDs**
Used for information on start up and configuration, these are also concealed behind the removable flap allowing complete discretion in use.

**Video Input**
Amphenol 62GB connector, 4 pin - 2 for video, 2 for power. The camera can be powered from this source.

**Audio**
This connector allows for two way audio. One way audio will be supported with first release software.

**Power**
A 3 pin amphenol 62GB connector is provided to support vehicle or battery operation.

**25 Pin Connector**
The 25 pins will provide synchronous RS232 serial plus RS422 / RS485 for control of cameras or other devices. A trigger input provides wake up from sleep or alarm reporting.

**RF Aerial**
This is the RF aerial for the internal GPRS / 3G / HSDPA module.

**TVI I300 Video Encoder**
The TVI i300 board provides the same functionality as the C300 as a board-level product for integration into customer systems. By embedding the TVI i300 in your own product together with the full TVI software suite, you can view high quality, real-time, low latency video over narrow bandwidth networks. The i300 provides additional flexibility via two switchable camera inputs, and can also offer decoder functionality providing analogue out for viewing on standard monitors. Together with access to video streams and full PTZ control of cameras via wireless devices such as PDAs, iPhone / iPad and Android handsets it's now even easier for decision makers in any location to view the live streams simultaneously.

**About Network Innovations**
Network Innovations Inc. specializes in the service and distribution of satellite communications solutions, equipment and airtime. We strive to bring the best solution to meet our customer’s need and budget whether you require a simple handheld satellite phone or a turn-key business infrastructure for several thousand people. Contact Network Innovations Head Office at (403) 287-5000 or visit us on the Internet at www.networkinv.com.