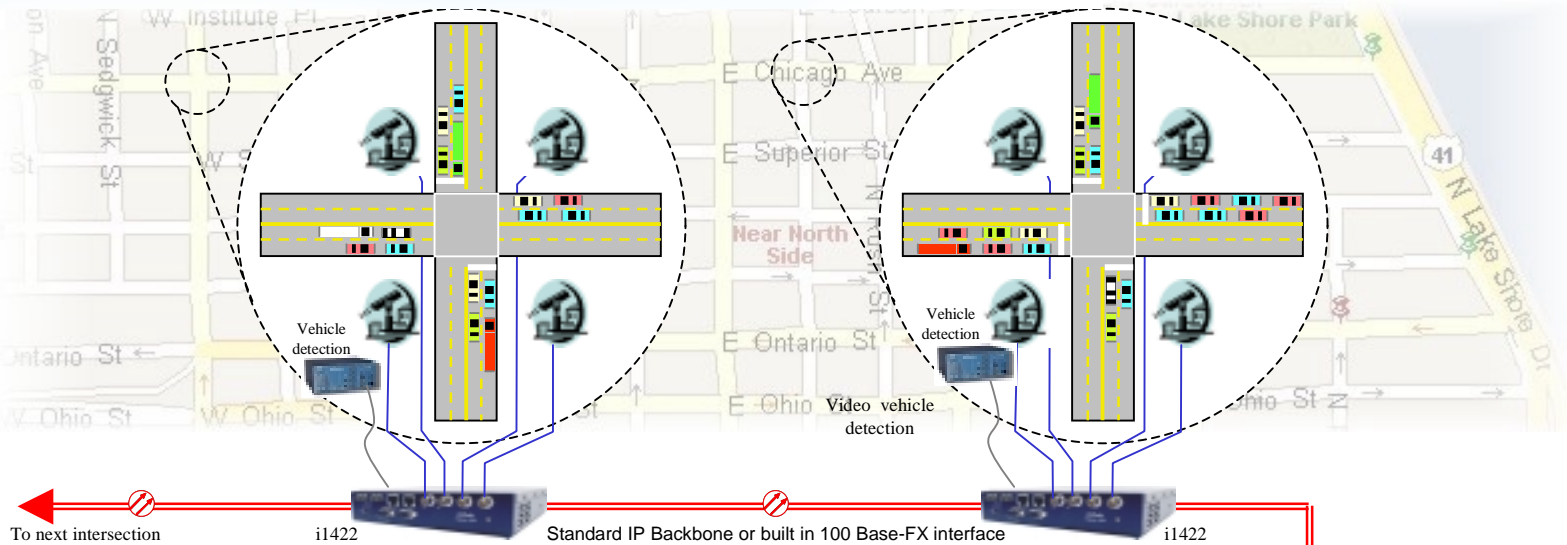


# Monitoring Traffic Intersections

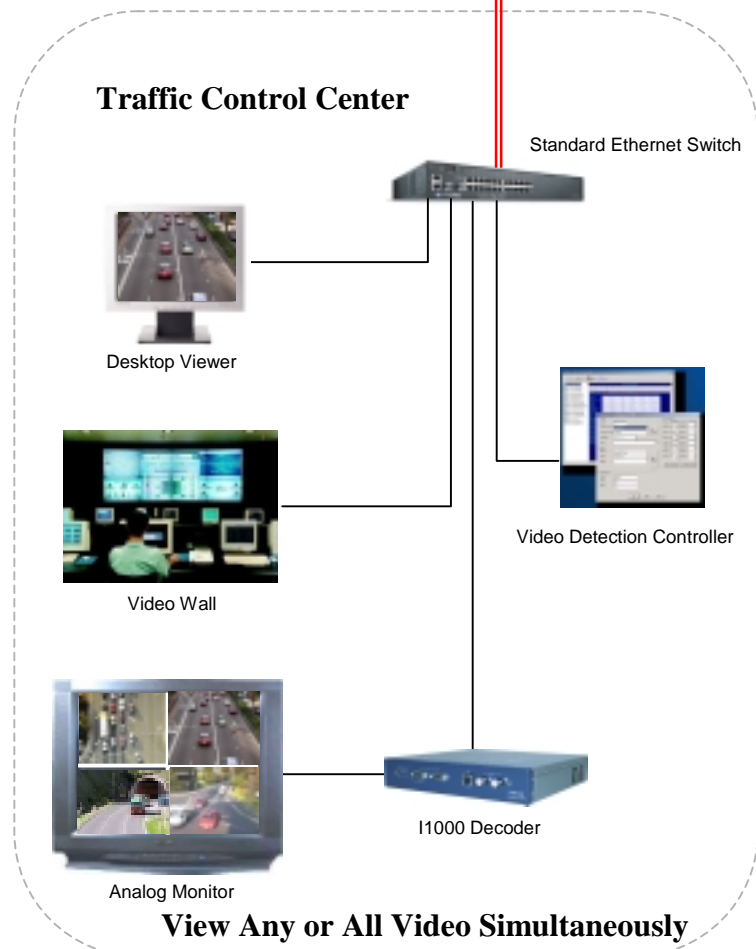
## Application Note

### i1400 QuadriMedia Codec



### i1400 Features & Benefits

- ✓ **Single – Integrated Multi-Service Platform:**
  - 4 x Video Inputs
  - 2 x Serial Data Inputs
  - 1 x Ethernet Connection...
  - 1 x Bi-directional Audio
  - 4 x Contact Sense / Contact Closures
- ✓ **Small Footprint-minimized Power Requirements**
- ✓ **Optimum Bandwidth Utilization**
- ✓ **Enhanced IP Networking Capability**
- ✓ **High Quality – Full Motion Video (MPEG-2)**
- ✓ **Distributed Video to the desktop and/or video display wall**
- ✓ **Distributed Network Management & Control**



## Key Benefits

### Single – Integrated Multi-service Platform - Servicing (4) Camera's

The i1400 requires less space than conventional intersection monitoring solutions, where codec's are deployed with each respective camera. Power consumption is also dramatically reduced to benefit intersections where electrical services are limited. The deployment of a single multi-service codec (versus multiple units), optimizes management within a single access point, simplifies network-cabling requirements and ultimately reduces overall cost of ownership.

### Optimum Bandwidth Utilization

A key challenge in any IP surveillance application is available network resources to transport the required video. The i1400 dramatically reduces the network bandwidth required by multiplexing all (4) camera inputs into a single MPEG2 video stream. This innovative approach provides high quality, full motion video using 75% less bandwidth while maintaining interoperability with i-Volution compatible decoders.

### Immersive Incident Response

The ability to visualize all (4) camera sources simultaneously within a single display is ideally suited for Traffic Management Systems where rapid action is required following an incident and/or alarm. This capability effectively immerses the operator into the scene as the situation unfolds. The operator can then select a given camera for full screen display and/or zoom in to track an object/person or event as it occurs.

### Distributed Video to the Desktop and/or Video Display Wall

Using the i1400 in combination with ClientVue, any number of operators can view the selected video/s simultaneously without restriction or limitations.

### The iMPath Solution:

The i1400 is available as a standalone 4-port video encoder with single or dual 10/100 Base-T Ethernet interfaces. An optional dual-fiber 100 Base-FX Ethernet interface is also available.

iMPath offers a broad range of complementary products that include standalone MPEG encoder/decoders, high-density codec concentrators, as well as video-to-the-desktop viewing applications. A comprehensive codec management system is also offered to monitor and control i-Volution based surveillance networks.

## iMPath Advantage

- ✓ High Resolution Video Surveillance
- ✓ Standards-based to Protect Network Investment
- ✓ Innovative Product Functionality
- ✓ Temperature Hardened – Industrial Grade Platform
- ✓ Simplified Network Design
- ✓ Full-Network Management
- ✓ Open System Design for Interoperability & Future Enhancements
- ✓ Proven Player



Global Headquarters  
1431 Merivale Road  
Ottawa, Ontario – Canada – K2E 1B9  
Phone: 1-613-226-4000  
Fax: 1-613-226-4602

For regional contacts check our web site at [www.impathnetworks.com](http://www.impathnetworks.com)

Copyright 2005 iMPath Networks Inc. • iMPath is a registered trademark of iMPath Networks Inc. TransPorter, TeleVue, ClientVue and i-Volution are trademarks of iMPath Networks Inc. All other trademarks are those of their respective owners. • Printed in Canada. • 10/05• Specifications subject to change without notice or obligation.

MBR 156-001

[www.impathnetworks.com](http://www.impathnetworks.com)