

## the i-Volution i5110-D Multi-protocol (H.264/MPEG-4/MPEG-2) Standalone Decoder

The i-Volution i5110-D is the perfect complement to Impath's i5110 series multi-protocol encoders. The i5110-D decodes the video streams generated by series i5110 encoders in addition to their associated audio streams. The single video support makes the i5110-D very cost effective where only a few decoded videos are required and a low incremental cost when additional videos need to be supported at a later date.



### Applications

- Security Surveillance
  - Airports
  - Seaports
  - Military
  - Industrial Complexes
  - Unattended Sites
- Transportation
  - City Intersection Monitoring
  - Highways
  - Rail/Metro/Subway

### Features

- Multi-protocol Decoding (H.264/MPEG-4/MPEG-2/MJPEG)
- Bi-Directional Audio
- Contact Sense / Contact Closure
- Fan less design

### Multi-Protocol Decoder

The i5110-D supports H.264, MPEG-4, MPEG-2 and MJPEG video streams generated by Impath's series i5000 video servers.

### High Resolution - Full Motion – Advanced Compression

The i5110-D supports the range of i5000 series resolutions and frame rates up to full 4CIF resolution at 30 frames per seconds.

### Auto-Connect to Video Server

Once configured, the i5110-D performs as a RTSP Client and automatically sets up a connection to its designated source IP video server and delivers standard NTSC video via BNC connector on the front panel.

### i5110 End-End Serial Data Transport

The i5110 supports terminal server type serial data transport and full serial data transport between a pair of i5110 devices. This feature facilitates serial data transport for legacy devices which may not be TCP/IP aware.

### User Selectable Multiple Profile List

The User can pre-configure up to 16 unique video profiles for conveniently switching video with a single click.

### Integrates With Existing CCTV Structure

The i5110-D is ideal for decoding streaming video for feeding existing analog video architectures. The NTSC compatible output can be connected to monitors directly or through existing video matrix switching devices.

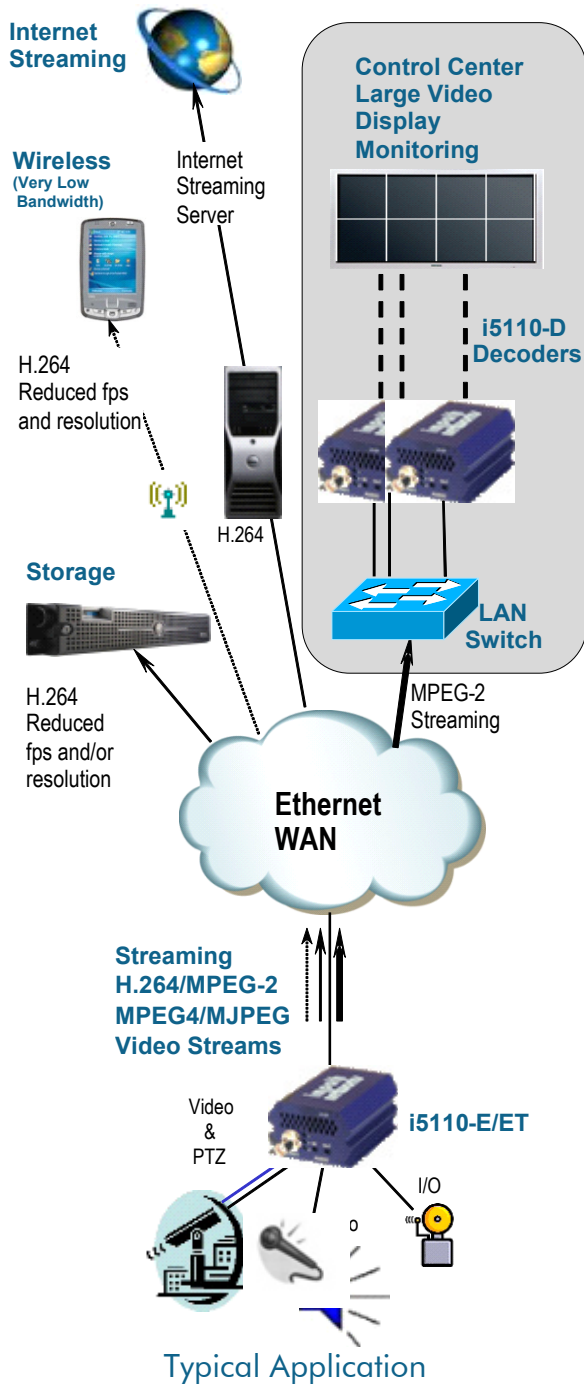
### Ultra Compact and Reliable

The i5110-D is designed to provide high availability. The enclosure has minimal vents and uses no cooling fans. The unit is highly compact requiring a very small space (approx 2.4" x 1.75" x 3.5") and can be wall mounted via existing cutout in the bottom rails or stacked where multiple units are required.

### Remote Managed

The i5110-D can be managed locally or remotely via the embedded WEB Browser interface (HTTP) for easy and swift commissioning.

# i-Volution i5110-D Multi-protocol Decoder



## Video

Protocol  
Resolution  
(4CIF/CIF/QCIF)  
Frame rate/Bit Rate

ITU H.264, MPEG-2 (ES), MPEG-4, MJPEG  
NTSC 720x480, 352x240, 176x120  
PAL 720x576, 352x288, 176x144  
Constant and Variable to 30/25 fps  
50kbps to 3Mbps (6Mbps for MPEG-2)  
User Configurable Unicast and Multicast  
Composite Video, 1.0Vp-p, 75 ohm, via BNC

Network Connections  
Video Output

## Network Interface

LAN Interface

IEEE 802.3 Ethernet RJ-45, 10/100Base-T, Auto-Sensing  
TCP, UDP, IPv4, IGMPv2, RTP, RTSP

## Serial Data

Format  
Connectors  
Interface Protocol  
Data Rate

Serial, Asynchronous  
Terminal Block  
RS232, RS422/485  
300bps to 115kbps

## Audio

Interfaces  
Audio Standard  
Mode

Line In/Out via 3.5mm mini-jacks  
G.711  
Bi-Directional Mono

## I/O

2x TTL IN / 1 x Relay Out connections via TB

## Management

Reset  
Local Status  
Console  
Web Browser  
Security  
Firmware Maintenance

External Reset Button  
LED Status Display  
Local via serial port  
Microsoft IE ver. 6.0 or higher  
Multi-level - User Name & Password  
Remote Flash Upload

## Environmental

Operating Temperature  
Relative Humidity  
Protection  
RoHS Compliance

0 to +50C (32 to +112F)  
5% to 95% Non-Condensing  
PCB Conformal Coating  
EU Directive 20002/95/EC

## Power Requirements

Input Voltage

10 to 14 VDC / Approx 10W

## Physical

Dimensions (WxHxD)  
Weight

6.62 x 4.26 x 8.85 cm (2.6" x 1.67" x 3.48")  
Approx. 0.3 Kg (10.6 oz)

## Regulatory Approvals

Emissions - EU

EN55022:1998 Class A, EN6100-3-2:1995 & EN6100-3-3:1995  
FCC47 CFR Part 15, Subpart B:1999 Class A  
AS/NZS 3548:1995 Class A  
EN55024

North America  
Australia/NZ  
Immunity

Model	Features
i5110-D	Multi-protocol Decoder
i5110-ET/E	Multi-protocol H.264/MPEG4/MPEG2/MJPEG encoder, extended temperature (ET)

Impath Networks Canada Corporation 42 Payzant Avenue, Suite 100, Halifax, NS Canada B3B 1Z6  
T: 902-468-1010 F: 902-468-1044 [impathnetworks.com](http://impathnetworks.com)

Impath Networks Ltd. 9 Camelot Drive, Suite 100, Ottawa, ON Canada K2G 5W6  
T: 613-226-4000 F: 613-226-4602 [impathnetworks.com](http://impathnetworks.com)

Copyright 2011 Impath Networks Canada Corporation. Impath is a registered trademark of Impath Networks Canada Corporation. TeleVue, ClientVue and i-Volution are trademarks of Impath Networks Canada Corporation All other trademarks are those of their respective owners.  
Printed in Canada – 05/11. Specifications subject to change without notice or obligation. 37Mbr\_177\_105\_i5110C

