

the i-Volution i5110-D Multi-Protocol (H.264/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 H.264 and MPEG-2 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-2)
- Bi-Directional Audio
- Contact Sense / Contact Closure
- Fan less design

Multi-Protocol Decoder

The i5110-D supports H.264 and MPEG-2 video streams generated by Impath's series i5000 video servers. Additionally, the i5110-D can decode MPEG-2 streams from Impath's i1000/1400/4000/VSG-1000 MPEG-2 encoder series.

High Resolution - Full Motion – Advanced Compression

The i5110-D supports the range of i5000 series resolutions and frame rates from QCIF up to full D1 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.

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.

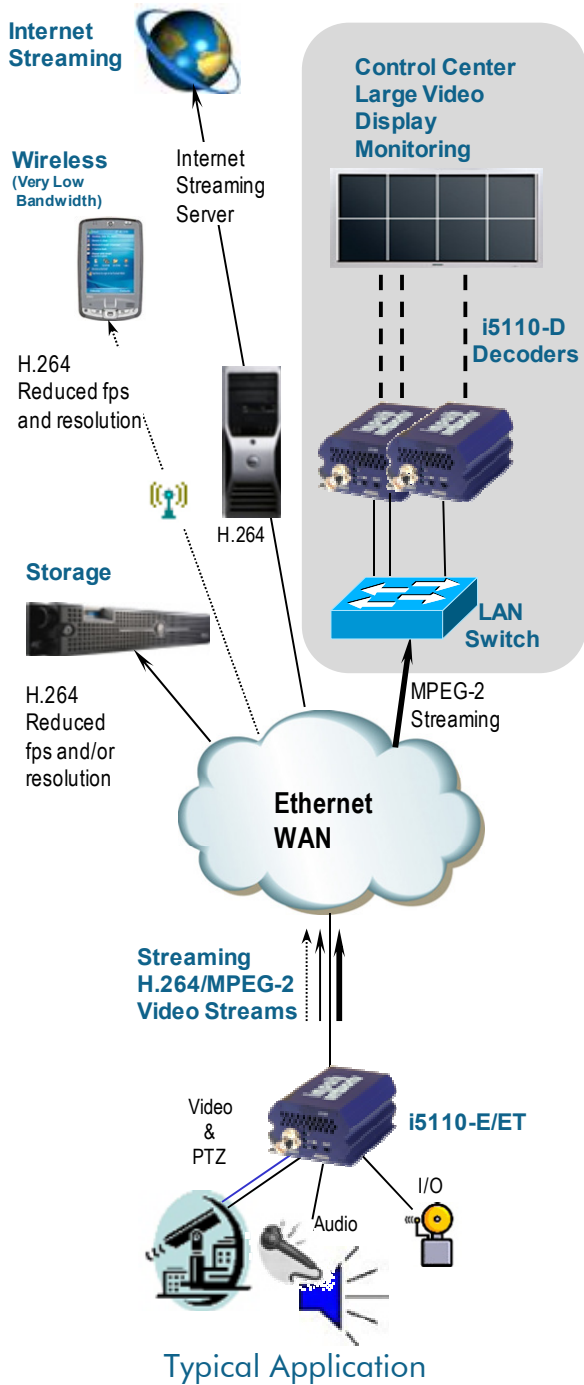
Ultra Compact and Reliable

The i5110-D is designed to provide high availability. The enclosure has minimal vents and needs no fans for cooling. 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) providing a user friendly interface for swift commissioning of the equipment.

i-Volution i5110-D Multi-protocol Decoder



Video

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

Network Interface

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

Serial Data

Format Serial, Asynchronous
 Connectors Terminal Block
 Interface Protocol RS232, RS422/485
 Data Rate 300bps to 115kbps

Audio

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

I/O

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

Management

Factory Reset External Reset Button
 Local Status LED Status Display
 Console Local via serial port
 Web Browser Microsoft IE ver. 6.0 or higher
 Security Multi-level - User Name & Password
 Firmware Maintenance Remote Flash Upload

Environmental

Operating Temperature 0 to +50C (32 to +112F)
 5% to 95% Non-Condensing
 Relative Humidity PCB Conformal Coating
 Protection EU Directive 20002/95/EC
 RoHS Compliance

Power Requirements

Input Voltage 10 to 14 VDC / Approx 10W

Physical

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

Regulatory Approvals

Emissions - EU EN55022:1998 Class A, EN6100-3-2:1995 & EN6100-3-3:1995
 North America FCC47 CFR Part 15, Subpart B:1999 Class A
 Australia/NZ AS/NZS 3548:1995 Class A
 Immunity EN55024

Model	Features
i5110-D	Multi-protocol Decoder
i5110-ET	Base H.264 encoder
i5110-ETA	Base MPEG-2 encoder
i5110-ETB	MPEG-2 + H.264 encoder

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