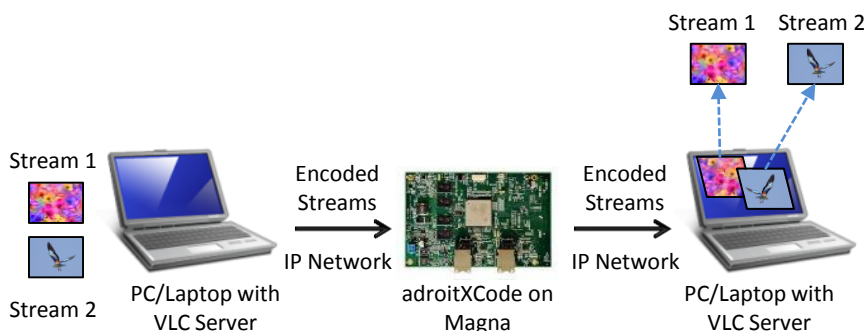


### OVERVIEW

- Reception of multiple MPEG-2 TS encoded streams over Ethernet, transcoding from MPEG-2 to H.264, streaming over Ethernet
- Platform: neonCaster Gen II Magna

### HIGHLIGHTS

- Dual-Channel input streams (MPEG-2 TS)
- Full-HD (1080i60) transcoding



Equipment	# Units
neonCaster Gen-II Magna	1
PC/Laptop	1/2
Ethernet Cable	1/2

Demos showcase a subset of complete product capabilities. Please contact [Ittiam Sales](#) or visit [Ittiam website](#) for more details on our products.

### TECHNICAL SPECIFICATION OF THE DEMO

- Multiple Input – Multiple Output Transcoder
- Default Configuration for Transcoder Channel 1
  - Input: 1x MPEG-2 TS over UDP
  - Processing:
    - Decoding: 1x 1080i60, MPEG-2, 15 Mbps, AAC-LC, 48kHz, 16-bit, 256kbps
    - Encoding: 1x 1080i60, H.264, 12 Mbps, AAC-LC, 48kHz, 16-bit, 256kbps
  - Output: 1x MPEG-2 TS over UDP
- Default Configuration for Transcoder Channel 2
  - Input: 1x MPEG-2 TS over UDP
  - Processing:
    - Decoding: 1x 1080i60, MPEG-2, 15 Mbps, AAC-LC, 48kHz, 16-bit, 256kbps
    - Encoding: 1x 1080i60, H.264, 12 Mbps, AAC-LC, 48kHz, 16-bit, 256kbps
  - Output: 1x MPEG-2 TS over UDP
- Additional configurations supported
  - 4x 1080i50 to 4x 576i50 transcoder operation
  - 7x 576i50 to 7x 576i50 transcoder operation

[More about adroitSDK](#)

[More about neonCaster Hardware](#)

### Contents

- adroitXCode SDK Demo Software with click-wrap license
- No user controls or configurations required
- Step-by-step Set up and Installation Guide
- Basic support for queries over emails

### Operation

- Demo has a timeout
- Ittiam logo is overlaid over transcoded video
- Demo board uses static IP address