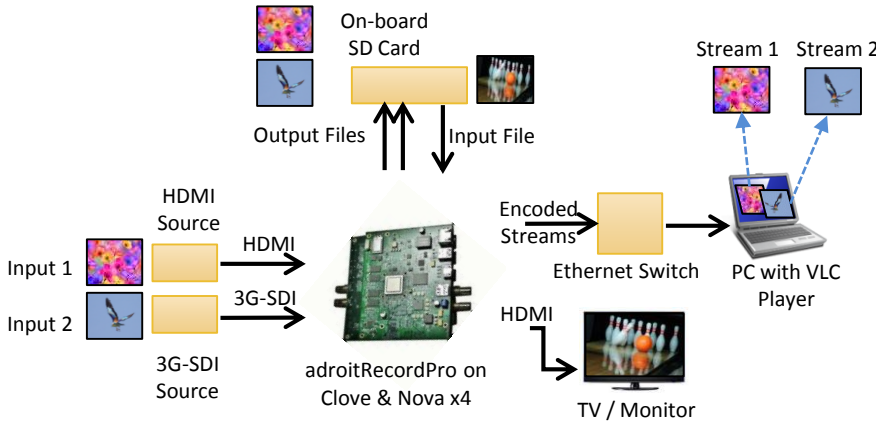


### OVERVIEW

- Dual-channel (HDMI®, 3G-SDI) video streaming over Ethernet & recording to SD card; Simultaneous single-channel file/network playback on HDMI® display
- Server interoperates with VLC Player on remote PC
- Platform: neonCaster Gen II Clove + Nova x4



### HIGHLIGHTS

- Dual-channel H.264 encoding (1080p30) + Single-channel H.264 decoding (1080p30)
- Simultaneous Full-HD streaming, recording & playback

| Equipment                         | # Units |
|-----------------------------------|---------|
| neonCaster Gen-II Clove + Nova x4 | 1 + 1   |
| HDMI® Source                      | 1       |
| 3G-SDI Source                     | 1       |
| PC/Laptop                         | 1       |
| Ethernet Cable                    | 2       |
| HDMI Cable, BNC Coaxial Cable     | 2, 1    |
| TV/Monitor                        | 1       |

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

### TECHNICAL SPECIFICATION OF THE DEMO

- Dual-channel recording and live streaming with simultaneous single-channel playback
- Default Configuration for Encoder Channel 1
  - Input: 1x 1080p30 (HDMI®)
  - Video: 1x 1080p30, H.264 MP Level 4.2, 8 Mbps, GOP Size 30
  - Audio: AAC-LC, 48kHz, 16-bit, 128Kbps
  - Output: MP4 file to SD card (Recording), TS over UDP (Streaming)
- Default Configuration for Encoder Channel 2
  - Input: 1x 1080p30 (3G-SDI)
  - Video: 1x 1080p30, H.264 MP Level 4.2, 10 Mbps, GOP Size 30
  - Audio: AAC-LC, 48kHz, 16-bit, 128Kbps
  - Output: MPEG-2 TS file to SD card (Recording), TS over RTP (Streaming)
- Default Configuration for Decoder Channel 1
  - Input: MP4 file (SD card) or MPEG-2 TS over RTP stream
  - Video: 1x 1080p30, H.264 MP Level 4.2
  - Audio: AAC-LC, 48kHz, 16-bit
  - Output: 1x 1080p60 HDMI®

[More about adroitSDK](#)

[More about Clove](#)

### Contents

- adroitRecordPro SDK Demo Software with click-wrap license
- Browser based UI
- Step-by-step Set up and Installation Guide
- Basic support for queries over emails

### Operation

- Ittiam logo overlaid over encoded & decoded video
- Demo has a pre-defined timeout
- Demo board uses static IP address