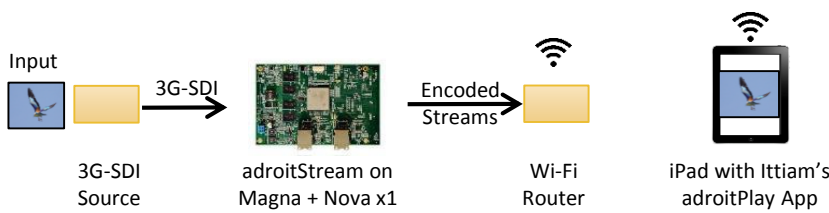


OVERVIEW

- **adroitStream**: Single-channel (3G-SDI) capture, encode and stream over Ethernet
- **adroitPlay**: Single-channel network receive, decode and display
- Dynamic change in encoded stream properties (bit rate, resolution and frame rate) to adapt to network loss, jitter and congestion
- Encoder Platform: neonCaster Gen II Magna + Nova x1
- Decoder Platform: iOS9/iOS10 device (Ex: iPad Air 2, iPhone 6S)

HIGHLIGHTS

- Up to 1080p30 H.264 streaming & playback
- Reliable video streaming resilient to changing network conditions
- Low latency (<150 msec glass-to-glass)



Equipment	# Units
neonCaster Gen-II Magna + Nova x1	1 + 1
3G-SDI Source	1
BNC Coaxial Cable	1
Ethernet Cable	1
Wi-Fi Router	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

- Single-channel adaptive streaming & playback
- Default Configuration for Encoder on adroitStream
 - Input: 1x 1080p60 (3G-SDI)
 - Video: 1x 1080p/720p/480p, H.264 MP Level 4.1, 6 Mbps or lower, GOP Size 120
 - Audio: AAC-LC, 48kHz, 16-bit, 128kbps
 - Output: ES over RTP (Streaming)
- Default Configuration for Decoder on adroitPlay
 - Input: ES over RTP stream
 - Video: 1x 1080p/720p/480p, H.264 MP Level 4.1
 - Audio: AAC-LC, 48kHz, 16-bit, 128kbps
 - Output: 1x 1080p/720p/480p on on-screen display
- Glass-to-Glass latency < 150ms

[More about adroitSDK](#)

[More about neonCaster Hardware](#)

Contents

- adroitRecordPro SDK Demo Software with click-wrap license
- Simple User Interface for configurations
- 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