

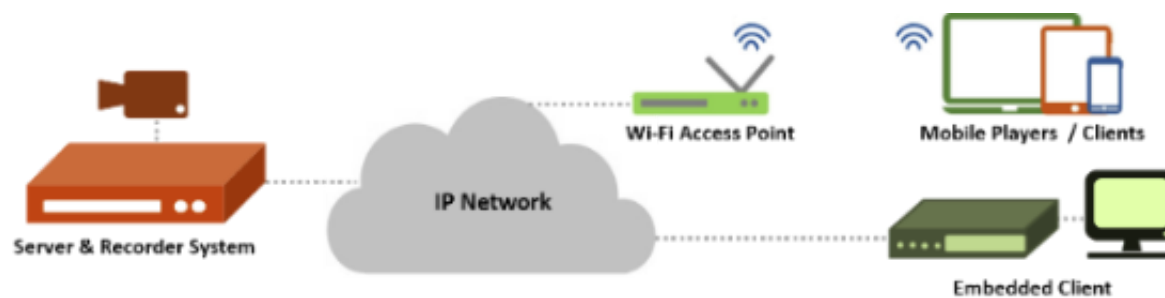


### Multi-Channel HD/SD Streaming Server & Recorder SDK

Ittiam's Video Networking SDK (VN SDK) delivers an **off-the-shelf multi-channel multi-format streaming & recording solution** for Industrial and Defense markets. The solution is ideal for surveillance, enterprise, medical and defense applications. The key features of Server and Recorder SDK are:

- Live streaming; Live recording; File streaming of recorded files
- Video Encoding: H.264 HP/L4.3, MPEG2 MP/HL
- Audio Encoding: AAC, MPEG1 L2 (Layer 2)
- Streaming Formats: RTP, RTCP, MPEG2-TS, Apple HTTP Live Streaming (HLS)
- File Formats: MP4, MPEG2-TS
- KLV Metadata
- Secure Streaming (SRTP, AES Encryption)
- Simultaneous streaming and recording of HD / SD channels
- Fail safe operation during disconnection of camera and network
- Split-file recording to prevent data-loss during power outage
- Streaming over wired and WiFi networks
- Configurability of all streaming and recording parameters (ex: streaming format, encoding bit rate, GOP size)
- Enables **multi-screen streaming**: Compatible with commercial players on mobile devices and Ittiam's Android / iOS Client Apps

VN SDK enables customers to significantly improve their time to market and offers field-proven media technologies that are compatible with standards like MISB. The SDK is currently available on **Ittiam's neonCaster Gen II NPM platform** (based on TI's **DM816x** processor) and will soon be available on **Ittiam's neonCaster Gen II Clove platform** (based on TI's **AM57x8** processor). VN SDK can be readily ported to other DM816x / AM57x8 based platforms and to **other TI / Intel / ARM based platforms**. Additional file formats, streaming formats and features can be delivered on request.



	1080p60	1080p30	720p60	720p30	NTSC	PAL
DM816x	3	6	6	10	12	12
AM57x8	1	2	2	4	10	10

No. of Simultaneous Encoding Channels on DM816x & AM57x8 based platforms

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