A fully functional, interactive and user-friendly client-server system has been developed for real-time Video-on-Demand service over the ATM network using a dual-alternative buffered playback technique. Salient features of the system include:

- Built-in traffic monitoring
- Video streaming

The system consists of an ATM switch, a server with an ATM adapter card and a video repository system, and multiple client PCs, each equipped with an ATM adapter card and an MPEG encoder. The software modules were developed by NTU staff and students.