ABSTRACT

IPTV is defined as multimedia services in the form of data such as television, video, audio, text, graphics delivered over IP based networks, but must be given to requirements such as QOS and experience, security, interactivity and reliability. Some of the features possessed by this IPTV is IPTV to broadcast live or prerecorded video digital educational programs, commercials, etc.. And can make capturing and transmission of programs from various sources. IPTV can do the scheduling / scheduling program in accordance with the needs of owners of information and audience. Viewer can choose courses from a listing to be seen. IPTV can provide an economical but not compromising the quality of service. This is because the transmission bandwidth-efficient technologies, namely IP multicasting. IPTV supports standard formats MPEG (Motion Picturre Experts Group) to provide high quality, full-motion video. IPTV is more efficient because they do not have to pay the instructor.

With the convergence between television, telephone and internet access, IPTV can be developed in accordance with the present trend that is IP based, so easily accessed by users and flexible in its use. Therefore, the system " *IPTV Multichannel Based On Web Server With HTTP SSL And IPSec As Protector in Windows System* " is designed as a service content that can be used for technologies that use IP-based.

With the implement this project, make IPTV servis be able to integrated by another technology as web site which is easy user and flexible. So IPTV is easy access with user and able to access in internet network. In aspect IT tren develop this servis may have good future.

Keywords: IPTV, Multichannel, IPsec, HTTP SSL, Windows