

Overview

The Vilink IPVAT-1000 is a standalone multi-format MPEG 1, 2, and 4, H.263, MJPEG video and audio encoder. The IPVAT-1000 is offered with or without audio conversion (IPVAT-1000). This state of the art device has S-Video (SVHS) and Composite (RCA) inputs along with stereo audio inputs. The video and audio encoder is fully manageable through any internet browser (Internet Explorer/ Netscape/etc.). The IPVAT-1000 encodes the video in real time and streams across any ethernet network. Video frame rates from 1fps to 30fps (D1) or 120fps (CIF) can be achieved with simple modification to the web browser enabled configuration settings. Motion detection is also supported.

THE IPVAT-1000 converts any standard video input to Ethernet. The output is user selectable to be multicast, unicast, or in real time (RTP). The video can be played back using standard media players such as Apple's Quicktime, Microsoft's Windows Media Player (WMP), or Real Player. In multicast mode, any personnel on the network is able to view the video stream on their screen. This real time encoder provides a great solution for monitoring and surveillance applications as well as converting CCTV video infrastructures to the Internet Protocol (IP). The scalability of the data rate allows many video encoders to be placed across the network.

DVD quality video at full D1 resolution is achieved at just 2Mbps. High quality QCIF video only requires a bandwidth of 40Kbps for low bandwidth applications.

Audio encoding creates a PCM/ADPCM audio stream output that has an audio data fingerprint embedded in the stream allowing perfect synchronization with the video stream.

The IPVAT-1000 video encoder provides a cost effective and fully scalable solution to convert any standard video device to be broadcast and viewed by users over any IP network or the internet.



Features

- D1, VGA, QVGA, CIF, QCIF or custom output sizes
- Full D1 resolution, scalable down to QCIF
- Variable data throughput control for both video and stereo audio
- Full web manageability
- Frame rates from 30 fps full D1 and down
- Stereo and Mono Audio Compression with time stamping

Applications

- Surveillance and monitoring of offices, factories, warehouses, vaults
- Marketing: live demos of your products
- Traffic (ITS) Monitoring
- Home and Office security
- Remote monitoring over LAN or WAN
- Convert CCTV cameras to Ethernet
- Distance Learning

Ordering Information

Model	Description
IPVT-1000	1 Ch Video over MPEG 1, 2, and 4 Encoder/Server
IPVAT-1000	1 Ch Video with Stereo Audio MPEG 1, 2, and 4 Encoder/Server

Specifications

System:	
Embedded OS	Linux
Power:	
Input	9V DC / 47-63 Hz
Network	
Interface	10Base-T, 100Base-T
Connector	1 x RJ-45
Status Indicators	
LED	Power Link 10/100Mbps Video Input
Physical:	
Dimensions	2.50" (H) x 5.5 (W)" x 6" (D)
Weight	< 1 lb
Humidity	95% Non-Condensing
Video Playback	
Software	Microsoft Media Player Quicktime Web Browser Real Player

Video Input:	
Maximum Input Size	NTSC: 720x480 , PAL: 720x576
Interface	CCIR601/656
Connectors	1 x S-Video , 1 x Composite (RCA)
Compression	100:1 / 200:1 @ 640x480
Video Output:	
Formats	MPEG-4 Simple Profile MPEG-2 MP @ ML, progressive, interlace MPEG-1 H.263 MJPEG
Resolution	D1 (720x480 NTSC, 720x576 PAL) VGA (640x480) QVGA, CIF, QCIF Custom Sizes
Frame Rates	30 fps (QCIF to D1 resolution)
Bandwidth	16 Kbps to 20 Mbps
Audio Input:	
Connectors	2 x RCA (Stereo/Mono)
	I ² S / PCM Audio Interface
Audio Output:	
Formats	PCM / ADPCM (RAW 16 bit, 44 KHz) MPEG-2 (AAC) MPEG-3 (MP3) Dolby ATSC (AC3)
Synchronization	Audio Stream Embedded Time Stamping

Application

