

## Overview

Vilink's IPV-4000, Video/Audio Codec provides for the real-time transmission of video and audio for all remote monitoring applications.

The IPV-4000 uses the latest in video image processing, including advanced digital signal processing and the MPEG-4 video compression algorithm, to digitize and compress analog video for transmission over new or existing Ethernet/IP networks.

The IPV-4000 provides flexibility for configuring a video transmission network to meet the needs of surveillance, reconnaissance, distance learning or conferencing applications.

This unit is easily integrated to provide access to remote video from any point on the network. User-configured parameters allow control of bandwidth, resolution, simple or duplex transmission, data multiplexing, and IP configuration.



## Features

- Real-time transmission of MPEG-4 video
- NTSC/PAL
- 10/100 Ethernet with Web server for configuration and status
- Ethernet UDP/IP & RTP
- Data rates up to 10Mbps
- Low latency modes
- Reduced resolution modes
- Bi-directional stereo audio & user data
- Compact, rugged package

DUPLEX ETHERNET/IP VIDEO/AUDIO  
COMMUNICATIONS LINK



## Ordering Information

Model	Description
IPV-4000	Single Channel Video/Audio MPE4 Codec with RS232 Input

### Specifications

#### VIDEO INPUT/OUTPUT

Ports	One
Format	NTSC/PAL Composite
Levels	1.0V p-p
Impedance	75 ohms
Connector	BNC

#### VIDEO COMPRESSION

Algorithm	ISO/IEC 14496-2 MPEG-4 Simple and Advanced Simple Profiles
Modes	I-only, IP, IPB*
Resolution	QCIF, CIF, 2CIF, D1

#### MULTIPLEX

Protocol	ISO/IEC 13818-1 MPEG-2 Transport Stream Video/Audio/Data
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#### TRANSPORT STREAM

Interface	10/100 Ethernet IP
Data Rate	Up to 10Mbps
Configuration	DHCP or static address Selectable Ports Auto Sense Full/Half-Duplex Unicast/Multicast
Connectors	RJ-45

#### DATA CHANNEL

Ports	Two
Levels	RS-232C/RS-422
Signals	RD, SD, GND
Data Rate	9.6K - 115Kb, Asynchronous
Format	8 bit data, 2 stop bits, no parity
Connector	DB-9

#### CONTROL

Protocol	TCP/IP
Platform	Windows

#### AUDIO INPUT

Ports	One
Channels	None, Left, Left and Right*
Format	Balanced (Line Level)
Levels	2.8V p-p (1 Vrms)
Impedance	10K ohms
Gain	0 to 64 db*
Connector	RCA

#### AUDIO COMPRESSION

Algorithm	G.722
Sample Rates	0,8,16,32,48 Ksps*
Synchronization	Lip synchronized with video

#### AUDIO OUTPUT

Ports	One
Channels	Left and Right
Format	Balanced (Line Level)
Levels	2.8V p-p (1 Vrms)
Impedance	10K ohms
Attenuation	0 to -15 db*
Connector	RCA

#### POWER

Voltage	90 to 264 Vac
Power	10 Watts
Frequency	47 to 63 Hz
Protection	Reverse Polarity Correction
Connector	Standard 3 prong IEC-320 power cord receptacle

#### SIZE

1.75" H x 8.5" W x 12" D
Weighs less than 4 lbs.