



VNS-04 Series

4 Channels Analog to H.264 IP Camera Converter

This Analog-IP-Converter features an embedded real-time multi-task operating system (RTOS) and an embedded processor, which is completely independent from a PC.

The Analog-IP-Converter has the functionality to compress the video signal and audio signal simultaneously into H.264AVC hardware compression; transmit the compressed bit rate through an IP network; display real-time video and audio; support streaming protocols (RTP/RTCP,RTSP); support IE browsing; bi-directional voice communication and multilingual support, etc.

Basic Functions:

- Real-time H.264AVC high speed hardware compression
- Multiple security levels for higher system safety
- Supports multi-area motion detection
- Supports one RS-485 interface that can be used to control a pan-tilt-zoom camera and a translucent input channel

Compression Functions:

- Supports 4 channels CIF or 2 channels D1 (PAL/NTSC) signal, and every channel can be real-time hardware-compressed independently at 25fps (PAL) or 30fps (NTSC). Video is compressed using H.264AVC standards
- **Supports variable bit and frame rate**
- When selecting image quality, you can limit the bit rate of the compression code
- Supports FULL D1 (720 x 480), CIF(352 x 240), QCIF (176 x 120) resolution
- Supports OSD, date and time, hue adjustment
- Supports a LOGO anywhere in the video image
- Supports water mark

Network Functions:

- Support one 10M/100M compatible Ethernet interface
- Supports TCP/IP protocol, parameter settings, real time video & audio previewing, status examination, alarm through network and store the compression bit rate through network
- Support dynamic broadband dialup
- Supports pan-tilt-zoom control and different camera parameters like size of lens and focus
- Supports remote upgrading and maintenance
- RS-485 interfaces support transparent transmission mode
- Remote hosts can control serial devices through the RS-485
- Set video server parameters through the RS-232 serial ports

Physical Interfaces:

Front panel:

- USB Port

Back panel:

- +5V Power jack. Please use the correct power supply
- Standard RS-485 serial port RJ45 socket
- Alarm input: 4-channel on/off type with ground wires
- Alarm output grounding
- Alarm output, 2-channel on/off
- Video input: 1-4 channels video input
- Audio input 1-4 channel audio input

Client-end:

- Remotely preview any individual camera's pictures and combine multiple video streams for viewing
- 1/4/6/8/9/16/25 partition image display, can automatically cycle display or manual switch, easy and quick
- Can store the bit rates transferred by network (video and audio complex bit rate, can playback the stored bit rate, and can play in fast and slow motion also frame by frame
- Can capture and store the selected pictures. Stored pictures can be indexed and printed
- Remotely control PTZ cameras
- Remotely configure video server parameter, channel parameter, serial parameter and alarm parameter
- Remote modify video parameter, including brightness, contrast,

© Aventura Technologies



- Convert any analog camera to H.264 IP camera
- Real-time video & audio (30 fps)
- **4 channels of audio & video (720 x 480)**
- SD card storage (optional)
- Supports PTZ cameras

AVAILABLE MODELS

Part number	Description
VNS-04	H.264 IP Camera Encoder, 4 Channels Video and Audio, CIF
VNS-04-SD	H.264 IP Camera Encoder, 4 Channels Video and Audio, CIF, SD card storage

© Aventura Technologies



- saturation and hue
- Support bi-directional voice dialog
- Multi-level security management
- Remote firmware upgrade
- Easy installation

SPECIFICATIONS

Video Compression Standard	H.264
Resolution	FULL D1 (720 x 480), CIF(352 x 240), QCIF (176 x 120) resolution
Video Input	4 Channels (NTSC, PAL System Auto Recognition) CIF BNC (Electrical Level: 1.0Vp-p, Resistance: 75 Ω ,) Or 1 Channel D1
Video Frame Rate	PAL: 25 FPS/NTSC: 30 FPS
Code Stream	Can select single video stream or composite stream
Video Compression Input Bit rate	16 K-2 M no limitation and self-defined (bps)
Latency	50 ms
Storage	SD Card (Optional)
Audio Input	4 Channels BNC (Linear Electrical Level, Resistance: 600)
Audio Output	Earphone jack
Audio Compression Standard	OggVorbis
Audio Compression Code Rate	16 Kbps
Audio Dialog Input	Microphone jack
Communication Interface	1 RJ45 10M/100M Self-adaptable Ethernet Interface 1 RS232 interface 1 RS 485 interface for PTZ 1 USB Port
Alarm in	4 channels
Alarm out	2 channels
Power Supply	DC 12 V
Power Consumption	Less than 7 W
Working Temperature	-1 0°C to +50°C
Working Humidity	10%-90%
Dimension	9.25" x 5.3" x 1.6" (235 x136 x43 mm)
Weight	3.5 lb (1.5 kg)

Warranty (Effective Jan 1, 2009)

1 Year