NetStream™ 2904S
4-Channel Video Encoder with Built-in Analytics

Features
- H.264 / MPEG-4 dual stream support for independent viewing and recording settings
- CIF, 2CIF, 4CIF and full D1 resolution at 30/25 FPS
- Place it where needed with Wireless LAN support (via USB 2.0)
- Alarm inputs & relay output
- Intelligent video analytics capabilities
- Advanced security and network management features including HTTPS encryption with preserved performance
- Fully integrated with Vigilant™ NetView video surveillance management solution

Key Benefits
- Retention of investment made in analog cameras
- Leverages existing TCP/IP infrastructure to transmit video stream, with minimal bandwidth overload
- Improved delivery, identification, and storage of real-time video and audio streams over an IP network
- Scalable system with unlimited number of channels
- Built-in content analysis for proactive management
  - Advanced tracking algorithms
  - Resistant to false alarm due to change in environmental conditions, illumination, rain, and foliage movement
  - Camera tamper detection
  - No detection zones for masking sources of false alarm
- Optional analytics
  - Detection behavior such as direction, stopping, loitering, entering, exiting, appear and disappear filters
  - Counting functions
- Real-time, on-screen display of data tracking and events
- Intuitive web browser for simple analytics configuration

NetStream 2904S is a powerful, high-resolution 4-channel video encoder which enables customers invested in analog security cameras to have a cost-effective, simple migration path into an IP-video surveillance environment.

Vigilant’s NetStream 2904S converts the output of analog cameras into highly efficient real-time H.264 video and audio streams, and delivers them over an IP network to a network-based recording solution such as the Vigilant NetVR\Elite Hybrid or to an IP control room solution such as the Vigilant NetView.

Utilizing H.264 encoding technology, NetStream 2904S delivers full D1 resolution at 25 (PAL) / 30 (NTSC) frames per second for all four channels, whilst utilizing significantly lower bandwidth and storage capacity than other encoding methods.

NetStream 2904S integrates NetStream Analytics to perform video content analysis at the edge based on 3D intruder detection which eliminates the need to send video to a central server for analysis, consequently reducing network bandwidth requirements.

This Vigilant feature supports active tamper detection alerts in instances where a camera is covered or masked, defocused or repositioned. This built-in content analysis for proactive management also includes a sophisticated tracking algorithm with remarkable reliability.

The NetStream 2900 encoder series when utilized with the Vigilant NetVR\Elite Hybrid recording platform and NetView IP matrix solution creates a unique state-of-the-art IP surveillance solution, which complies with today’s high-performance CCTV standards for a fully networked environment.
Technical Specifications

NetStream 2904S

General Encoder Specifications

Description: Wall-mounted 4 ch. IP video Encoder

Video

Video Input: 4Vp-p, 75Ω
Video Output: 1 Loop Out (BNC connector)
Compression format: Dual stream H.264/AVC, MPEG-4
Resolution & FRS PAL: Scalable from QCIF (176x144) to D1 (720x576) up to 25 fps on all channels
Resolution & FPS NTSC: Scalable from QCIF (176x120) to D1 (720x480) up to 30 fps on all channels

Audio

Input: 4 channels Linein, 1.43Vp-p (Min 1.35Vp-p, max 1.49 Vp-p), 39 KΩ
Output: 4 channels Lineout, 46mW Power, 16 Ω
Compression Format: G.711(µLaw, aLaw)/PCM

Additional Features

Digital Input/output: 4/4 channel
Serial port: RS-485/232C
Network: 10/100Base-T

Physical & Electrical

Dimension: 137(W) x 38(H) x 189(D) mm
Weight (Approx): 780 g
Power Source: 12V DC
Power Consumption (Approx): 1100 mA

Environmental

Operating Temperature: 0 – 60 ºC (32 – 140 ºF)
Digital Output: Up to 85% RH (non-condensing)

* All technical specifications are subject to change without prior notice.

Ordering Information

Real time H.264, 10/100 Ethernet port, 12vdc power supply. Dual stream, 4CIF/D1 @ 25/30 fps per channel, includes onboard video analytics

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NetStream 2904S</td>
<td>710-06634</td>
<td>4 channel video encoder</td>
</tr>
</tbody>
</table>

International Office

Tel Aviv Israel
Tel: +972-3-649-1110
Fax: +972-3-648-8849
e-mail: sales@vglnt.com

North America Office

Mansfield MA USA
Tel: 1-800-708-0169
Fax: 1-866-580-0160
e-mail: sales@vglnt.com

UK Office

Middlesex UK
Tel: +44-1932-73-8781
Fax: +44-1932-73-8783
e-mail: sales@vglnt.com

APAC Office

Singapore
Tel: +65 62205848
Fax: +65 62243112
e-mail: sales@vglnt.com

Follow us on twitter.com/vglnt

© 2000-2010 Vigilant Technology Ltd. All rights reserved.

Notice: The information and/or data in this document are confidential in nature and may contain trade secrets and/or privileged confidential technical, commercial or financial information. Such information and/or data are copyrighted to Vigilant Technology Ltd. and should be used only for evaluation purposes. It should not be copied or distributed without written permission of Vigilant Technology Ltd. All denoted product names are trademarks or registered trademarks of their respective owners.

Document VGLNT-MD-ENG-2904S-0311-A4

Surveillance over Converged Networks