



NICEVISION NET™ - NVE 1008

8 channel MPEG-4 Video Encoder

NETWORK VIDEO ENCODING DEVICE FOR DUAL-STREAM TRANSMISSION

The NiceVision® NVE1008 offers unmatched quality and flexibility and is used for high performance video recording of non-multiplexed video streams over TCP/IP networks (LAN/WAN). Dual MPEG-4 streaming allows high-quality recording while simultaneously transmitting live video streams that are optimized for narrow bandwidths. High quality video serves to identify incidents with great image detail particularly needed for automatic recognition of moving or static objects such as unattended objects, people, cars or number plates in video analytic platforms. Low latency allows the control of PTZ or dome cameras with full "virtual video matrix" power supporting text overlays, salvos, tours and the routing of cameras through to any analogue or digital monitor.

This compact encoder can be used as a stand alone unit for transmission of video & audio using advanced DSP technology. NICE's unique „Zero Point of Failure" provides an automatic and seamless change-over to back-up units in the event of component failures. Working with NICE's proven network video recorders, the NVE1008 delivers an unprecedented level of resilience for any application with high-level security demands.

Due to its great reliability and its high quality image transmission, the NVE 1008 has found vast market acceptance in many application fields such as airports, transportation, casinos, industry sites and city surveillance. NVE 1008 encoders are part of the NiceVision Net™ product suite - the next generation IP video solution from NICE.

FEATURES

- „Zero Point of Failure“ - N+1 redundant system architecture providing automatic and seamless change-over to back-up units in the event of a component failure
- Powerful Video Motion Detection (VMD) on each channel
- MPEG-4 (or MPEG-2) video compression
- Dual-streaming for each MPEG-4 channel
- Configuration and firmware upgrades over IP network
- Alpha Frame Rate Reduction (AFRR) for storage savings in time-lapse mode
- Control of PTZ and dome cameras over serial interface
- Unicast/multicast capability
- Integrated Video Authentication
- Synchronized video and audio streaming
- Selectable GOP sizes; I, P frames („advanced“ version also B frames)
- Selectable data rate per channel
- Fully compatible with FAST and NiceVision Video management software

SPECIFICATIONS

Inputs	<ul style="list-style-type: none"> • 8x analog composite • 8x Audio
Video processing & compression	<ul style="list-style-type: none"> • All channels up to Full-Frame@Real-time • ISO/IEC 14496-2 (MPEG-4) Simple and Advanced Simple Objects compliant
Max. video load	<ul style="list-style-type: none"> • MPEG-4: Dual-stream supporting 4CIF@Real-time • MPEG-2: Single stream supporting 4CIF@Real-time
Interfaces	<ul style="list-style-type: none"> • 8x CVBS with BNC socket and software-configurable termination 75Ω • 8x Audio mono with RCA connectors, -21.78 dBu to 2.22 dBu or 63.1 mV to 1 V (Vi(rms) relating to -1dB FS) • 8x Trigger input with sabotage protection • 8x Relays outputs max. 30W, 1A, 110VDC / 110VAC • 2x Ethernet 10/100/1000 Base-T; autosensing; half/full duplex; RJ-45 • 1x Serial port RS-232/422/485, D-Sub 9P male, software switchable between 232/422/485
Video event triggers	<ul style="list-style-type: none"> • Video Motion Detection on each channel
PTZ support	<ul style="list-style-type: none"> • Integrates direct PTZ control, supports leading cameras, domes and PTZ controllers • 5 frames latency (end to end)
Redundancy	<ul style="list-style-type: none"> • N+1 „Zero Point of Failure“ (pending patent) for Video and PTZ port • Ethernet (2 sockets), power supply (2 independent connectors), 2 Fans for cooling (one is enough in normal conditions)
Protocols	<ul style="list-style-type: none"> • TCP, IP, UDP, RTP, IGMP, ICMP, ARP
Configuration	<ul style="list-style-type: none"> • Via Digital Video Servers, Management Systems, Remote Access Systems, NiceVision ControlCenter
Power source	<ul style="list-style-type: none"> • Input voltage: 12-24VDC (main unit); 90-264VAC; 50/60Hz (power supply); Power consumption: max. 40W, typically 30W
Environmental conditions	<ul style="list-style-type: none"> • Operating temperature: 0-50°C • Relative humidity 20-80% non-condensing (operating)
Dimensions	<ul style="list-style-type: none"> • 19", 1 rack unit in height • 440 x 44 x 204 mm (W x H x D, without 19" brackets)
Approvals	<ul style="list-style-type: none"> • EN55022:98+A1(00)+A2(03), 55024:98+A1(01)+A2(03), EN61000-3-2:00, EN61000-3-3:95+A1(01), FCC 47CFR, P15, Sub B:05, ICES-003:04, EN 60950-1:01(II), UL 60950-1:03(III)

FAST Series



NiceVision Series



CONTACTS

Global International HQ, Israel, T +972 9 775 3777, F +972 9 743 4282 • Americas, North America, T +1 201 964 2600, F +1 201 964 2610
 EMEA, Europe & Middle East, T +44 8707 224 000, F +44 8707 224 500 • APAC, Asia Pacific, T +852 2598 3838, F + 852 2802 1800
www.nice.com/nicevision

Insight from Interactions™, 360° View™, Executive Connect®, Executive Insight™*, Freedom®, Investigator®, Mirra®, Universe®, My Universe™, NICE®, NiceCall®, NiceCall Focus™, NiceCLS™, NICE Learning™, eNiceLink™, NiceLog®, Playback Organizer™, Renaissance®, ScreenSense™, NiceScreen™, NICE Storage Center™, NiceTrack™, NiceUniverse®, NiceVision®, NiceVision Harmony™, NiceVision Mobile™, NiceVision Pro™, NiceVision NVSAT™, NiceVision Alto™, Scenario Replay™, Tienna®, Wordnet®, NICE Perform™, NICE Inform™, NICE Analyzer™, Last Message Replay™, NiceUniverse Compact™, Customer Feedback™, Interaction Capture Unit™, Dispatcher Assessment™, Encoder™, Freedom Connect®, FAST®, FAST Alpha Silver™, FAST Alpha Blue™ and Alpha® and other product names and services mentioned herein are trademarks and registered trademarks of NICE Systems Ltd. All other registered and unregistered trademarks are the property of their respective owners.

* in Australia only

DATE 02/2007 • CONTENTS OF THIS DOCUMENT ARE COPYRIGHT © 2007

Insight from Interactions™

NICE®