



# NiceVision NVSAT

SMART VIDEO  
PROVEN VALUE

## SMART VIDEO CODEC

NiceVision NVSAT is a smart video CODEC for encoding and streaming high-quality video over IP networks, as well as performing real-time distributed video analysis. Combining transmission and recording elements, NiceVision NVSAT is designed for high-quality monitoring applications, targeting customers that require effective video streaming over long distances using a dedicated or shared IP infrastructure.

## Product highlights

- 2-8 video inputs at 25/30 fps, with audio support - Dynamically changing frame-rates, resolutions and compression levels
- Distributed real-time video analysis - Detecting and tracking vehicles, baggage, people and intruders, detecting counterflow and line control
- High resolution video transmission - 4CIF, 2CIF and CIF resolutions, at low latency
- Smart monitoring and alarm management - Instant investigation, streaming video upon alarm and effective bandwidth utilization
- In-unit storage as well as centralized recording - Enhanced resiliency to network failure
- Advanced LoS control and multicasting

## FEATURES

- 2-8 video inputs (at 25/30 fps)
- Frame rate, resolution and video quality change upon alarm or schedule
- 4CIF, 2CIF and CIF resolutions
- Real-time video analysis applications
- Advanced compression algorithm - MPEG4, Main Profile
- Local, internal storage of up to 500 GB
- Networked storage (SAN, NAS architectures) - up to 30 TB per networked recorder
- Storage availability upon network failure - up to 5 days of local storage and video transmission upon network recovery
- Smart monitoring with instant event investigation (scenario reconstruction)
- Advanced GUI with multi-screen viewing (2x2, 3x3, 4x4 and more), maps and user-defined views (pages)
- Advanced video coding supporting both low bandwidth and low latency
- Same application for controlling all NiceVision products (NiceVision ControlCenter)
- Compact size with optional rack/ceiling mounting
- Open API for third-party integration
- Direct interface for PTZ keyboard control
- Integrated dry-contacts
- Advanced video authentication
- Audit-trail for tracking users system management activities
- SNMP-based event notifications
- Multi-language application



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## SPECIFICATIONS

Recording capacity (configuration dependent)	<ul style="list-style-type: none"> <li>• 2-8 video inputs per unit</li> <li>• 1 audio input per unit</li> </ul>
Video processing & compression	<ul style="list-style-type: none"> <li>• Compression - MPEG4, Main Profile</li> <li>• Selectable compression rates per camera – 16Kbps to 8Mbps</li> <li>• Up to 30fps (NTSC) / 25fps (PAL) per camera</li> <li>• CIF, 2CIF and 4CIF resolutions</li> <li>• Video authentication</li> </ul>
Video input and output	<ul style="list-style-type: none"> <li>• Analog composite video input - NTSC/PAL 75 ohms</li> <li>• Digital video playback and monitoring over IP</li> <li>• Ethernet 10/100 with IP multicasting capabilities, supporting SNMP and NTP</li> <li>• Analog and VGA monitoring</li> <li>• OSD on each output (time, date, camera name and number, view status)</li> </ul>
Video event triggers	<ul style="list-style-type: none"> <li>• Advanced Video Motion Detection per camera</li> <li>• Video Analytics (NiceVision Analytics)</li> <li>• 8 input/output TTL interfaces</li> <li>• 2 output relay interfaces</li> <li>• Application Programming Interface (32-bit API)</li> <li>• Popup video upon alarm - instant investigation and smart monitoring capabilities</li> </ul>
Audio	<ul style="list-style-type: none"> <li>• Compressions - PCM</li> <li>• Digital audio monitoring and playback over IP</li> </ul>
Storage media & architecture	<ul style="list-style-type: none"> <li>• 500GB of internal hard drive storage</li> <li>• Up to 30TB of centralized storage over IP networks (NAS)</li> </ul>
Search capabilities	Event-driven and time-driven searches, based on multiple criteria: <ul style="list-style-type: none"> <li>• Camera name or number</li> <li>• Date and time</li> <li>• Alarm trigger</li> <li>• External data</li> <li>• Comments</li> <li>• MotionTrak - offline motion tracking tool</li> </ul>
PTZ Support	Integrated direct PTZ control supporting leading cameras, domes and PTZ controllers
Dimensions	Width: 300mm. (11.8 inches) Depth: 270mm. (10.6 inches) Height: 94mm. / 2U (3.7 inches) Weight: From 5Kg. (11 lbs.) to 7.5Kg. (16 lbs.)
Power source	110/220 VAC 60/50 Hz single phase
Power consumption & dissipation	Peak AC watts: 200W Peak AC amps: 1A/220V, 2A/110V Power Dissipation: 500 - 800 BTU
Ambient operating temperature	Operating temperature: 5°C to 40°C (40°F to 110°F) Operating humidity: 20% to 80% (non-condensing)
Safety standards	EN60950, UL 60950
EMC standards	EN 55022 Class-A, 55022, 55024, EN 61000-3-2/3, FCC Part 15 Class A
Environment	ROHS

## CONTACTS

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