



# NiceVision<sup>®</sup> Alto

## Versatile Digital Video and Audio Solution

NiceVision Alto is a versatile digital video and audio recording, analysis and management solution for the mid to high-end security market.

NiceVision Alto provides high resolution video, sophisticated video analytics and real-time frame rate performance, with the ability to change frame-rate, resolution and image quality according to schedules or detected events.

## Product highlights

### **16-32 video inputs at up to 25/30 fps**

Dynamically changing frame-rates, resolutions and compression levels

### **Real-time video analysis**

Detecting and tracking vehicles, baggage, people and intruders

### **High resolution video**

4CIF, 2D and CIF resolutions

### **Local and networked storage**

Enhanced data integrity and survivability

### **Advanced monitoring and alarm management**

Enhancing event response and investigation

### **Stand-alone and networked configurations**

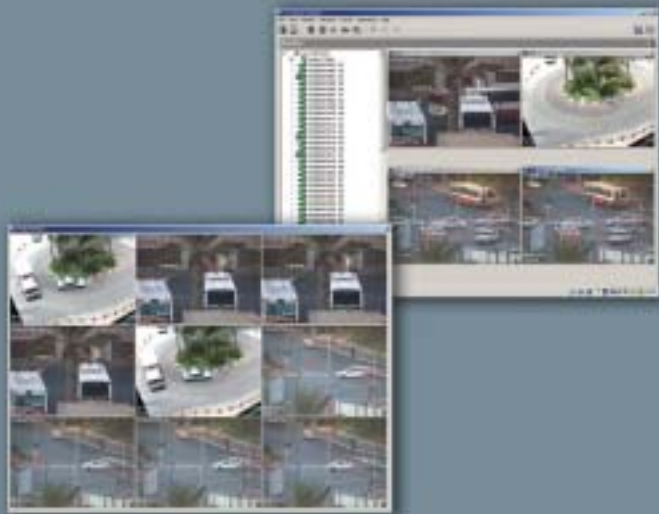


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# Features

- 16-32 video inputs (at up to 25/30 fps)
- audio input
- Frame rate, resolution and video quality change upon alarm or schedule
- 4CIF, 2D and CIF resolutions
- Real-time video analysis applications
- MPEG4 Main Profile compression and M-JPEG
- Extensive storage support (10TB online, 18TB near-line, per unit)
- Flexible networked storage configurations – local (DAS), remote (SAN), and centralized archiving (NAS)
- Multi-screen viewing (2x2, 3x3, 4x4)
- Advanced video motion detection
- IP cameras recording
- Instant Event view upon alarm
- Direct interface for PTZ keyboard control
- Integrated dry-contacts
- Integrated analog output
- Advanced video authentication
- Audit-trail for tracking users system management activities
- SNMP-based event notifications
- Scalable from one to hundreds of recorders
- Multi-language application
- Open API for third-party integration
- Same application for controlling all NiceVision recorders
- Dynamic configuration



## Contact information

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# Specifications

## Recording capacity (configuration dependent)

16-32 video inputs per unit  
Up to 3 IP-video inputs per unit  
1 audio input per unit

## Video processing and compression

Compressions – MPEG4 Main Profile, M-JPEG  
Selectable compression rates per camera – 16Kbps to 4096Kbps  
Up to 30fps (NTSC) / 25fps (PAL) per camera  
CIF, 2D and 4CIF resolutions  
Video authentication

## Video input and output

Analog composite video input – NTSC/PAL 75 ohms  
IP capture devices – IP cameras and converters by leading manufacturers  
Digital video playback and monitoring over IP  
Multi-view (4, 9 and 16 cameras on one screen) over IP  
OSD on each output (time, date, camera name and number, view status)  
Analog and VGA monitoring

## Video event triggers

Video Motion Detection (VMD) per camera  
Directional Motion Detection (based on Object Tracking technology)  
Content Analysis (Baggage, Vehicle, Crowd, Intruder detection, and more)  
Up to 32 dry contact interfaces  
Application Programming Interface (32-bit API)  
Popup video upon alarm

## Audio

Compressions – PCM, ADPCM-16  
Digital audio monitoring and playback over IP

## Storage media and architecture

1TB of internal hard drive storage  
1 TB of hot-swappable internal Raid-5  
Up to 10 TB of external RAID storage  
Up to 18 TB of external digital tape storage (AIT2/3)  
RAID-1 and RAID-5 support  
Internal digital tape drives (100GB)  
Internal CDRW/DVD-writer drive  
Direct attached (DAS) local storage  
Networked remote storage (SAN)  
Centralized storage over IP networks (NAS)

## Search capabilities

*Event-driven and time-driven searches, based on multiple criteria:*

Camera name or number  
Date and time  
Alarm trigger  
External data  
Comments  
MotionTrak – offline motion tracking tool

## PTZ support

Integrated direct PTZ control supporting leading cameras, domes and PTZ controllers

## Dimensions

Width: 480mm. (19 inches)  
Depth: 515mm (20.3 inches) - 555mm. (21.5 inches) with rack handle  
Height: 180mm. / 4U (7.0 inches)  
Weight: From 30Kg. (66 lbs.) to 35Kg. (77 lbs.)

## Power source

115/230 VAC  
60/50 Hz single phase

## Power consumption and dissipation

Peak AC watts: 300W  
Peak AC amps: 1.5A/220V, 3A/110V  
Power Dissipation: 1000 - 1300 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

EN55022 Class-B, 55022, EN 61000-6-2,  
EN 61000-3-2/3, FCC Part 15 Class A

# NiceVision® Alto

NV-ALT-85-001



# NiceVision® NVSAT

## Smart Video Server

NiceVision NVSAT is a smart video server 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, and 1 audio input**

Dynamically changing frame-rates, resolutions and compression levels

### **Distributed real-time video analysis**

Detecting and tracking vehicles, baggage, people and intruders

### **High resolution video transmission**

4CIF, 2D and CIF resolutions, at low latency

### **Smart monitoring**

Effective bandwidth utilization, streaming video only upon alarm

### **In-unit storage as well as centralized recording**

Enhanced resiliency to network failure

### **Advanced QoS control and multicasting**

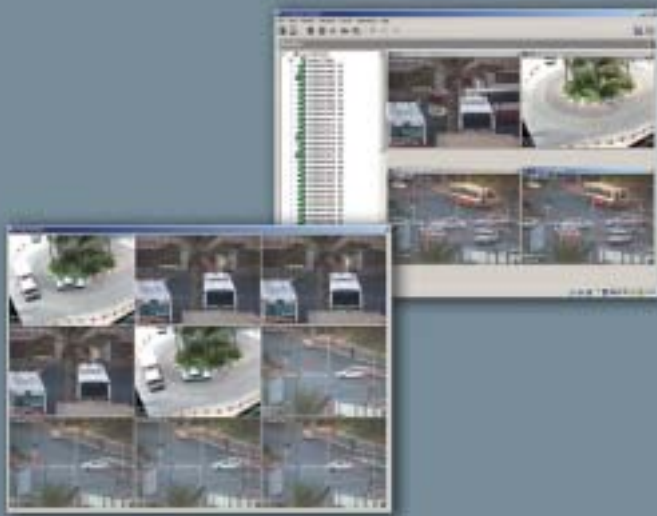


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## Features

- 2-8 video inputs (at 25/30 fps)
- 1 audio input
- Frame rate, resolution and video quality change upon alarm or schedule
- 4CIF, 2D and CIF resolutions
- Real-time video analysis applications
- MPEG4 Main Profile compression
- Local, internal storage of up to 250 GB
- Networked storage (SAN, NAS architectures) – up to 10 TB per networked recorder
- Storage availability upon network failure – up to 5 days of local storage and video transmission up on network recovery
- Smart monitoring with instant event viewing
- Advanced video coding supporting both low bandwidth and low latency
- Small size form factor with optional rack/ceiling mounting
- 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
- Open API for third-party integration
- Same application for controlling all NiceVision recorders



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## Specifications

### Recording capacity (configuration dependent)

2-8 video inputs per unit  
Up to 1 audio inputs per unit

### Video processing and compression

Compression – MPEG4 Main Profile  
Selectable compression rates per camera – 16Kbps to 4096Kbps  
Up to 30fps (NTSC) / 25fps (PAL) per camera  
CIF, 2D and 4CIF resolutions  
Video authentication

### Video input and output

Analog composite video input – NTSC/PAL 75 ohms  
Digital video playback and monitoring over IP  
Ethernet 10/100 & 1G with IP QoS and multicasting capabilities- supporting SNMP and NTP  
Analog and VGA monitoring  
OSD on each output- (time, date, camera name and number, view status)

### Video event triggers

Video Motion Detection (VMD) per camera  
Directional Motion Detection (based on Object Tracking technology)  
Content Analysis (Baggage, Vehicle, Crowd, Intruder detection, and more)  
8 input/output TTL interfaces  
2 output relay interfaces  
Application Programming Interface (32-bit API)  
Popup video upon alarm – scenario reconstruction & smart monitoring capabilities

### Audio

Compressions – PCM, ADPCM-16  
Digital audio monitoring and playback over IP

### Storage media and architecture

250GB of internal hard drive storage  
Up to 10 TB of external RAID storage (in networked recorder)  
Networked remote storage (SAN)  
Centralized storage over IP networks (NAS)

### Search capabilities

*Event-driven and time-driven searches, based on multiple criteria:*  
Camera name or number  
Date and time  
Alarm trigger  
External data  
Comments  
MotionTrak – offline motion tracking tool

### PTZ support

Integrated direct PTZ control supporting leading cameras, domes and PTZ controllers

### Dimensions

Width: 300mm. (12 inches)  
Depth: 270mm. (10.6 inches)  
Height: 94mm. / 2U (3.8 inches)  
Weight: From 6Kg. (13 lbs.) to 7Kg. (15 lbs.)

### Power source

115/230 VAC  
60/50 Hz single phase

### Power consumption and 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

EN55022 Class-B, 55022, EN 61000-6-2,  
EN 61000-3-2/3, FCC Part 15 Class A

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# NiceVision® NVSAT