



NiceVision® 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



NiceVision® Secure Your Vision

NICE®

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

NiceVision® Alto



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



NiceVision® Secure Your Vision

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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

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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