



NiceVision® ALTO

SMART VIDEO
PROVEN VALUE



VERSATILE DIGITAL VIDEO AND AUDIO SOLUTION

NiceVision Alto is a versatile solution for digital video and audio recording, analysis and management, designed 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, 2CIF and CIF resolutions
- Local and networked storage – Enhanced data integrity and survivability
- Smart monitoring and alarm management – Enhancing event response and investigation
- Stand-alone and networked configurations

Insight from Interactions™

NICE

FEATURES

- 16-32 video inputs (at up to 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
- Extensive storage support (11.25TB online, 12TB near-line, per unit)
- Flexible networked storage configurations – local (DAS), local (DAS) and centralized archiving (NAS), and centralized archiving (NAS)
- Advanced GUI with multi-screen viewing, maps and user-defined views (pages)
- Advanced video motion detection
- Smart monitoring with instant event investigation (Scenario Reconstruction)
- 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 products
- Dynamic configuration



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SPECIFICATIONS

Recording capacity (configuration dependent)	<ul style="list-style-type: none"> • 16-32 video inputs per unit • 1 audio input per unit
Video processing and compression	<ul style="list-style-type: none"> • Compressions – MPEG4 Main Profile • Selectable compression rates per camera – 16Kbps to 8Mbps • Up to 30fps (NTSC) / 25fps (PAL) per camera • CIF, 2CIF, and 4CIF resolutions • Video authentication
Video input and output	<ul style="list-style-type: none"> • Analog composite video input – NTSC/PAL 75 ohms • 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	<ul style="list-style-type: none"> • Video Motion Detection (VMD) per camera • Directional Motion Detection (based on advanced Object Tracking technology) • Video Analytics (Detection of Intruders, Baggage, Vehicle and Tailgating; Line control, People counting) • Up to 32 dry contact interfaces • Application Programming Interface (32-bit API) • Popup video upon alarm
Audio	<ul style="list-style-type: none"> • Compressions – PCM 64 • Digital audio monitoring and playback over IP
Storage media and architecture	<ul style="list-style-type: none"> • 2 TB of internal hard drive storage • 2 TB of hot-swappable internal RAID-5 • Up to 11.25 TB of external hot swappable RAID5 storage • Up to 12 TB of external digital tape storage with internal mirroring (AIT3) • Internal digital tape drives (100GB) • Internal DVD R/W-writer drive • Direct attached (DAS) local storage • Centralized storage over IP networks (NAS)
Search capabilities	Event-driven & time-driven searches, based on multiple criteria: <ul style="list-style-type: none"> • 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: 48.3cm. (19 inches) Depth: 52.5cm. (20.67 inches) – 56.6cm. (22.28 inches) with rack handle Height: 17.8cm. / 4U (7.0 inches) Weight: From 30Kg. (66 lbs.) to 35Kg. (77 lbs.)
Power source	110/220VAC 60/50 Hz single phase Redundant hot-swappable power supply (optional)
Power consumption & dissipation	Peak AC amps: 1.5A/220V, 3A/110V Peak AC watts: 300W 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)
EMC standards	EC: EN 55022:98+A1(00)+A2(03), EN55024:98+A1(01)+A2(03), IEC 61000, EN 61000-3-2:00, EN 61000-3-3:95+A1(01) US/CAN FCC 47CFR, P15 Sub B:06 CAN/CSA CISPR 22-02 AS/NSZ CISPR 22:2004
Product safety standards	EC: EN 60950-1:01 (II) US: UL 60950-1:03 (III), IEC 60950-1 CAN/CSA-C22.2 No.60950-1-03 (2003)

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

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