



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)
- IP cameras support
- 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), remote (SAN), 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

| | |
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| 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 • IP Cameras and CODECs 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 | <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"> • 1TB of internal hard drive storage • 1 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 • Networked remote storage (SAN) • 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 | 110/220 VAC 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) |
| Safety standards | Operating humidity: 20% to 80% (non-condensing) |
| EMC standards | EN60950, UL 60950 |
| EMC standards | EN55022 Class-A, 55022, 55024, EN 61000-3-2/3, FCC Part 15 Class A |

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