

# ARTECO-7000

## NVR 8 CHANNEL VIDEO IP

### EXPANDABLE TO 72



O.S. Windows Embedded



Hard Disk  
1 TB



Up to 72 Ch IP



Failover



Network Storage Support



Unlimited Connections and Accounts



Advanced Area Analytics



Privacy Blur



Mapping Feature



Smartphone and Web Client



Multi-server access



### Optional

Object Analytics:  
Abandoned/Removed Object,  
Counting, Speed Threshold



LPR IP Channel



Arteco Everywhere



8 I/O RS232 (expandable)



High Availability



ARTECO-7000 is a 19" rack mountable industrial surveillance server able to manage up to 72 IP camera sources and designed for medium to large size installations. The software includes Advanced Area Analytics on every channel with the ability to add Object Analytics or License Plate Recognition on a per channel basis.

ARTECO-LOGIC Next (the software interface), makes it simple and intuitive in every aspect of the system: from start up to the configuration of the advanced filtering capabilities present in the video analytics.

#### High performance

ARTECO-7000 is compatible with ONVIF™ devices and integrates hundreds of cameras from the leading brands on the market. The system can view live/recorded video, as well as analyze video from cameras in full Megapixel resolution. It supports the most advanced encoding: H.264, MJPEG, MPEG-4 and MxPEG. It allows for independent management of recording settings both on the local hard disk and network path.

#### Accuracy and expandability

ARTECO-7000 has the available option for Object Analytics that can accurately detect abandoned/removed objects, perform object counting and speed threshold detection. The powerful built-in video analysis, with advanced algorithms and filters, allows the system to minimize the false events. The Interactive maps increase operator efficiency by giving a geospatial location of where security events are physically taking place, allowing users to immediately view events and take proper countermeasures. By using the optional internal or external I/O devices (RS-232 or Ethernet TCP/IP), ARTECO-7000 can be interfaced with other systems of active and passive safety, increasing the overall effectiveness of the security profile.

#### LPR (License Plate Recognition)

ARTECO-7000 has the ability to add software channels for License Plate Recognition (LPR) to any Enterprise solution with the addition of channel AS-EN-LPR. The ARTECO-SERVER Enterprise LPR channel is a combination of hardware and software that supports security personnel by identifying, highlighting and alerting in real-time when vehicles pass through a specified area. The LPR is performed automatically, accurately reading the plates of vehicles moving up to speeds of 100 mph.

#### Privacy Blur

ARTECO-7000 includes an additional software module called "Privacy Blur" (image blurring), which allows users to guarantee the privacy of individuals in public spaces appearing in video recordings. The Privacy Blur can be removed during playback and exporting of video, with the appropriate password.

#### Centralize and Customize

ARTECO-7000 is handled by the client, ARTECO-LOGIC Next; which can be installed in multiple locations to allow for simultaneous control by multiple operators, each with specific tasks. It allows users to control the functionality of all systems both locally and remotely, even in monitoring centers with Video-Wall applications.

Minimizing bandwidth consumption is a core feature of the software, allowing users to customize the live stream over the network, affecting a single camera and only a single remote client. Remote access to data and images can be achieved at any time and from any location by using the client, Web client, or preferred App for Tablet or Smartphone.

## Robust and Reliable

Strict testing and a solid structure make the ARTECO-7000 a product suitable to withstand even harsh environmental conditions. Using S.M.A.R.T and other health monitoring capabilities, it provides diagnostics of failures for storage devices. Combined with an optional module for Failover, the system continues to record even with a Hard Drive failure. It can notify the user of the problems found and ensure efficient maintenance of the unit. The module also enables automatic migration of camera recordings in the database to designated space on non-affected hard-drives in the event of a failure.

## High Availability

Back up your recordings with a high-reliability system and reduce the bandwidth of streaming video. This solution also allows for the storage of video for several servers located throughout an area to a single location. It can make recordings available even in the case of temporary loss of remote connectivity. When there are multiple simultaneous views it reduces the bandwidth used, acting as proxy server for live video streaming.

## SOFTWARE FEATURES

- Up to 72 IP sources
- Operating system Windows XP Embedded SP3
- Desktop protected by user
- Operating System partition is write-protected (optional)
- Managing Multi-Server Simultaneously
- Management of Multi-Client
- Video Compression Codec Recording
  - Encoding MJPEG software
  - Mpeg4 Encoding Software
  - H.264 Encoding Software
  - Native Encoding for IP cameras
  - Throttle on Event in H.264
- Video Compression Codec display
  - Encoding MJPEG software
  - Mpeg4 Encoding Software
  - H.264 Encoding Software
  - Native Encoding for IP cameras
- Performance IP cameras
- Depending on the brand, model, resolution and number of active sources
- Operation with Native protocols to achieve the performance stated by the manufacturer
- Watermarking (Certification integrity of recorded images)
- Analytics:
  - Area Analytics (outdoor) ENTERPRISE
  - Object Analytics (optional)
  - Channel LPR (optional)
  - Privacy
  - Map
  - Failover
  - High Availability (optional)
- Advanced mode for fine sensitivity adjustment
- 18 independent filters for each video channel to minimize redundant events
- I / O for Virtual PTZ on event
- For each channel independent regulation of:
  - Resolution
  - Frame rate
  - Quality
  - Continuous recording with events marking
  - Post-event up to 10 minutes
- Layout:
  - Layout configurable
  - Management of Multi-Windows
  - Digital Zoom in REC and LIVE
  - POP-UP mode (automatic display of the video stream in case of event)
  - Patrol timed Layout
- 5 modes of event notification:
  - Visual: red frame image, event logs, POP-UP
  - Acoustics: WAV sounds, PC-Buzzer
  - Email: HTML / TXT event image
  - I / O devices via input / output or via input / output integrated IP cameras / video servers
  - SMS (optional)
  - PTZ control
  - Manual
  - Automatic (programmable presets and sequences)
- 3 user levels with different rights
- Administrator, Power User, User
- License Access ARTECO-LOGIC NEXT, Web Client and Mobile Client
- Unlimited Simultaneous Connections
- Unlimited Accounts

## HARDWARE FEATURES

- Hard Drive Capacity: 1 TB (expandable)
- Digital I / O interior:
  - 4 inputs 0 ÷ 12 Vdc
  - 4 outputs NO / NC, 1 A @ 24 Vdc
- Digital I / O external to 8 inputs and 8 outputs, RS-232 serial port or Ethernet TCP / IP (optional):
  - 8 inputs 0 ÷ 12 Vdc
  - 8 outputs NO / NC, 1 A @ 30 Vdc, 0.5 A @ 250 Vac
- Software on Compact Flash
- 2-Port PS / 2 (keyboard and mouse)
- 6 USB 2.0 Ports
- Port RS422/485 PTZ control for half-duplex
- RS232 port for I / O modules optional external serial
- 1 VGA output
- 2 Ethernet 10/100/1000 Mbps
- 1 audio output jack 2.5 mm
- 1 Microphone input 2.5 mm
- 220 Vac, 50Hz, curr. 120 W
- Operating temperature 0 to 40 ° C, 80% RH max n
- Dimensions in mm: 429 x 171 x 434 WxHxD
- Handles front +30 mm
- Depth Raid + 60 mm
- Weight: 16.7 Kg



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