XAD Access Control & CCTV Management System

XAD Access Control NVR
RF Logics, inc is a leading provider of security management systems, software, proximity readers with cards, and finger biometrics for the government and commercial markets. RF Logics has been focusing intensively over the past years on developing the true one system solution products that enable organizations to effectively protect, supervise, and manage their people, assets, and properties.

RF Logics has proudly launched the XAD Series, a single operation platform for access control and video surveillance management system. The system is an embedded access control and video surveillance OS onto the system, that can maximize IT and invested infrastructures, by not using any middleware servers nor video bridging software.

The XAD, Access Control Video Surveillance Management System contains full of access control system features and high-end customer application features, as well as Point-of-Sale, ATM interfaces onto the DVR. Moreover all modulated optional Time & Attendance, Visitor Management, Elevator Control, and ID Badge Printing systems’ software are available from the XAD.

Individual applications’ software are available as standalone systems, or can be deployed in any combination to deliver a single integrated solution that uniquely satisfies each customer’s particular needs for small scale, middle scale, and enterprise level security.

The XAD systems offer unlimited scalability, unmatched performance and stability. We believe technology is changing, and our developing will continue to deliver the revolutionary state-of-the-art systems, yet economical.

RF Logics also provides a full line of access control credentials with lifetime warranty proximity readers and cards, the most reliable and trouble-free Finger Biometrics, Semi-passive long range reader, up to 33 feet (10M) reading distance. Passive long range reader up to 15 feet (4.5M) reading distance with ISO passive photo die-sublimation capacity PVC card. That corporate with Dual RF technology card with proximity or smart card for vehicle parking control, asset management, people tracking, and fleet management.

A wide range of ITDC access control panels are available to suit the requirements of projects around the world. Configuration range from a 2 door / 4 door with 50,000 card holder capacity through 32 doors and more than 200,000 cards, scalable up to 3,000 doors’ project.

RF Logics has been recognized as a trusted partner in over 60 countries worldwide and as partners of Authorized Resellers throughout the US and worldwide to install and distribute the XAD, bringing the cutting edge security technology to government and commercial customers.
Why XAD?

1. **Product Integrity of high-end security management applications**
2. **The true facility protection surveillance, and monitoring system architecture**
3. **The simplicity of system architecture, yet significant security performance improvements**
4. **The XAD simplifies the complexity of Access Control and Video Surveillance integration**
5. **All defined alarms and events will have associated video files with live pop-ups or recorded video**
6. **No complicated software or hardware modules are required**
7. **A versatile system of intelligence at your command**
8. **Feasible budget plan for a high-class enterprise level security**
9. **No system setup, operation, maintenance cost, and hassle-free**
10. **Integrated security system platform for easy system installation**
Advantages of the XAD

- The true facility protection & surveillance, and multiple sites remote monitoring capability system
- A single operation System platform for Access Control, Video Surveillance, Time & Attendance, ID badge printing, Elevator Control, Visitor Management, and POS / ATM
- One XAD system supports up to 32 video cameras and 128 access control doors
- A host PC is not necessary for Access Control System
- No DVR is required for CCTV Video Surveillance
- Server is not an option for application S/W integration for Access Control, Video Surveillance, and Alarm Monitoring
- Single / Dual / Triple Monitor operation mode support
- All associated video files for events and alarms from security devices and camera inputs
- Multiple simultaneous pre-defined alarm / event video pop-up, maximizes video surveillance
- Searchable digital data transaction and video files with watermarks technology
- IP Camera and Analog Camera Connectivity as a hybrid NVR
- Unlimited system scalability, unmatched performance and stability
- Supports Small, Medium, and Enterprise level of system integration
- All isolated modular application software that work independently enabling the system stability
- Over 1,000 remote sites monitoring capacity through Central Monitoring System anywhere around the world
- Able to utilize and maximize the invested pre-existing security cameras, readers, and cards
- Economical One System Solution for the total facility security management system
- No Direct Competitors in the market
- The ONLY Cutting Edge Access Control Video Surveillance Security & Management System
XAD Series, a single operation platform for access control and video surveillance management system. The system is an embedded access control and video surveillance OS onto the system, that can maximize IT and invested infrastructures, by not using any middleware servers nor video bridging software.

- **A Single operation S/W platform for Access Control, Alarm, Time & Attendance with CCTV Surveillances.**
  - Embedded Access Control, CCTV Surveillance OS
  - Not a middleware solution, nor bridged other multiple S/Ws integrations

- **Can Command and Control up to 128 Doors with 32 CH Cameras per a system**
  - Full Access Control Rules with unlimited Schedules (Time, Doors, Cardholders, Holidays)
  - Anti-Passback, Duress Mode, and Drag and Drop Alarm Icons setting on the Graphic Maps
  - Embedded popular PTZ engines, IP Camera protocols

- **Linkage of Recorded Cross-Reference Video files on User define Events, Alarms for Access Control and T & A System.**

- **Separated Database allocations for Access Control and CCTV Surveillance.**
  - No System Freeze or S/W crash Guarantee

- **D 1 Resolution, real time View, Recording, and Playback with up to 32CH, IP and/or Analog Cameras.**
  - Connect up to 8/16/32 IP and/or analog cameras with up to 64 doors for synchronized access control.
  - 8 / 16 / 32 audio inputs and 2 way audio over the internet

- **Customizable card holder transaction information with digital Watermark data overlay on video channel.**

- **Scalable Up to 6 TB HDD and Redundant RAID backup support.**

- **Central Monitoring Software supports over 1,000 remote locations over the Internet or PDA.**
  - Over 250 split-screens with Text messages and recorded video files for alarms
  - Multiple Pop-up video screens and Multiple Alarm Maps for Alarms and Events
**XAD Benefits, Product Series and Applications**

- **Easy installation, operations, and maintenance.**
  - Backup files via CD/RW, USB and easy AVI file conversion
  - Multi screen playback
  - Individual settings per Channel and Door
  - Easy to Search associated video files by Date, Time, Doors, Users, and etc
  - Embedded PTZ engines, IP Camera protocols
  - Over 300 levels of Video Motion Sensitivity Detection
  - Video Signal Loss Detection
  - E-mail notification. PDA Search

- **XAD Access Control & CCTV Management System has Series of Models:**
  1) XAD 8: 8 CH IP and/or Analog Cameras with 32 Doors for Access Control
  2) XAD 16: 16 CH IP and/or Analog Cameras with 64 Doors for Access Control
  3) XAD 32: 32 CH IP and/or Analog Cameras with 128 Doors for Access Control

- **Embedded XAD Applications;**
  - CCTV and Access Control
  - CCTV and Time & Attendance
  - CCTV, Access Control, and Time & Attendance
  - CCTV and Alarm
  - CCTV, Access Control, and Alarm
  - CCTV, POS, and ATM
XAD Access Control NVR Series

Powerfully Scalable, yet Easy to Configure for a Rapid Deployment of Access Control & Video Surveillance for up to 32 Cameras & 64 Doors

XAD 8 / 16 / 32 Access Control NVR
XAD Pro Series is Designed for enterprise level solution for robust network-able database capabilities for connection of 16 ~3,000 Cameras, synchronized up to 3,000 doors with real-time view & recording, and other application capabilities.

- A Single operation S/W platform for Access Control, Alarm, Time & Attendance with CCTV Surveillances.
- SQL Database
- Linkage of Recorded Video files on User define Events, Alarms for Access Control and T & A System.
- Separated Database allocations for Access Control up to 3,000 Doors and over 3,000 CCTV Cameras.
- D 1 Resolution, real time recording and playback with up to 32CH, IP and/or Analog Cameras per XAD Pro.
- Customizable card holder transaction information with digital Watermark data overlay on video channel.
- Scalable Up to 6 TB Hot Swappable HDD and Redundant RAID backup support.
- Central Monitoring Software supports over 100 remote locations over the Internet or PDA.
- Fully network-able via SQL database server up to 100 XAD Pro Units connectivity

- Easy installation, operations, and maintenance.
  * Backup files via CD/RW, USB and easy AVI file conversion
  * Multi screen playback.
  * Individual settings per Channel and Door
  * Easy to Search associated video files by Date, Time, Doors, Users, and etc
  * Embedded PTZ engines, IP Cameras protocols
  * Over 300 levels of Video Motion Sensitivity Detection
  * Video Signal Loss Detection
  * E-mail notification
  * PDA search
XAD Pro 16 / 32 Access Control NVR

Robust networked SQL database for deployment of multiple XAD access Control NVR for enterprise level applications.

XAD-Pro 16 / 32 Access Control NVR
A recurring dilemma occurs when it comes to offering a total security solution for combining Video Surveillance with Access Control. Without compromising features of either elements, XAD Access Control NVR™ is a powerful security solution which operates both features in a easy to use single software platform. It manages all aspects of Access Control and NVR in a synchronized fashion to give unparallel control in security.
Video Interactive Access Control Event & Alarm Component

- Various system and configuration support
- Fully customizable access and alarm events to be synchronized with user defined video files or photos
- No other software or hardware modules required, but a single XAD system software
- Instant playback of video footage with corresponding access control alarm or event record
- Digital Watermark text overlay on each video file
- Monitor up to 1,000 remote locations world-wide via Internet
- Multi zoom alarm maps with its video files
Smart Search Element for Archived Access Control Events

All portions of access control activity is synchronized with video surveillance which is archived and is able to be searched by specified Time, Date, User name or Card ID Number.

- Video surveillance footage is archived in its own database for replaying events
- A still shot can be extracted from a video footage and printed
- Custom search criteria can be accomplished to cross reference user definition setting
- Digitally watermarked
- Event record is also printed on the actual video footage for easier identification
- Can be searched by Time, Date, User Name or Card ID Number
XAD Access Control NVR™ Introduction

**Hardware Compressed Network Video Recorder Component**

*Dedicated on-board NVR video compression chipset alleviates system overload and enables its PC components to run with minimal load on its CPU.*

- Hardware Compressed Video for a True Real-time Video Footage with Full D1 Resolution
- View / Record / Search up to 32 Cameras in Broadcast Quality images
- True Web-based Administration Capabilities for Access Control & Video Surveillance
- Up to 64 Doors for Access Control also incorporated with Time & Attendance
- Robust Central Monitoring Video Surveillance for Single or Multi-Locations
- Smart Search Capabilities for Access Control Event & Alarm Database
- Browser Based Video Search Capabilities
- POS & ATM Connectivity Via RS422 or 485
- Embedded IP Cameras and PTZ Command & Control Protocols

© 2007 RF Logics Inc., All Rights Reserved
Central Monitoring Software Component

Pop-up Alarm & Event Driven Central Monitoring Software for remotely monitoring up to 1000 Simultaneous locations

- Event/Alarm Triggered Pop-up Live Video Feed
- Real-time view of Access Control Events for Multiple Locations
- Live view of video images with Card Holder Activity and Event or Alarm Logs
- Customizable video output layout
- Multiple layer visual mapping feature
- Can Monitor over 1,000 remote locations and 30,000 Camera Screens via Internet or PDA
Central Mapping Software Component

Multiple Layer Visual mapping Feature enables viewing access control events based on customizable graphical maps to zoom-in to get a visual alert

- Supports Multi-Layer Mapping Feature to Pinpoint the trigger of Alarm Event
- Customizable loading of maps in any graphic image file
- Graphic layout for monitoring Alarm Event activities
- Live view of Card Holder Activity
- Maps interlinked with Pop-up event video feed for instantaneous monitoring
- CAD or other Drawing formats
- Email notification
- PDA search
XAD Standalone / Network Access Control Panel

XAD 2 / 4 Door Controller is a small and medium sized, intelligent field programmable Standalone / Network access control panel. It supports 26 bit Wiegand or higher reader input formats, ABA Track II, and Mifare Smart Card reader inputs. XAD 2 / 4 Door Nema Pack has an integrated tamper switch, 3 LEDs for system status indication on the front cover, one 4 door controller board, one EIO88, and two maintenance-free 3 Amp power supplies in the heavy-duty steel enclosure.

- Dynamic Control of Memory up to 50,000 Users / up to 29,500 Event Buffers
- Standalone / Network Communication via RS232 / RS422 / RS485 (Max.255ch), TCP/IP (optional)
- 26 bit / 34 / 37 Wiegand format Proximity Reader connectivity
- Independent 15 Inputs and 15 Outputs including 4ea of 2 Form-C Relay Outputs
- Anti-Pass back, Duress Mode support
- 3 LEDs for power, communication status on Nema box
- Up to 4 hours System Operation with Redundant power back up
**Digital Encryption RFID Readers**

125 KHz high security, digitally encrypted proximity card readers for use with both passive and active proximity cards. It has a read range of 4 inches with passive cards (IDC170, IDC80). It is architecturally designed to mount on wood or metal door frames (mullion), and Single Gang box (Wall Mount) and operate with consistent performance and reliability in a durable and scratch resistant polycarbonate housing, which allows for easy installation.

- Full epoxy potting ensures successful operation even in harsh environments. IP65 / IP66
- Read Range up to 4 inch / 12 inch
- Standard 26-bit Wiegand and/or higher Wiegand format RS232 and ABA Track II Output Format
- Vandal resistant poly-carbonate housing
- External LED and Buzzer Control
- 100% weather proof & waterproof Out Door Use
- UL, CE, FCC approved, ROHS compliant
- Reverse Polarity Protection, Supervisory Signal (Optional)
- Life time Warranty for the Readers
Finger Biometric Readers

Our Finger Biometric Series of Readers are intelligent field programmable Standalone / Network Access Controller based on dual microprocessors, designed for the highest security access control and Time and Attendance (TA Version) with built-in 4” proximity reader, keypad, and fingerprint module with solid optical sensor for high reliability as well as easy operation.

- 1,000 / 2,000 / 4,000 Fingerprint Users accommodating 26,000 Event Buffers
- 1:1 Verification and 1: N Identification
- Identification Method: by PIN Key (default) by Auto Touch Sensor
- Standalone / Network Communication via RS232 / RS422 / RS485 (Max.32ch), TCP/IP
- Supports standard 26 bit Wiegand Output and/ or higher, RS232 and ABA Track II Output Format
- High Protection from Scratch and ESD (Electro Static Discharge)
- Dual Function for Access Control and Time & Attendance
RF245 Long Range Reader with IDA245 Battery Replaceable Tag

- 2.45GHz Long Range Reader
- Up to 33' Reading Distance
- Multiple tag identification (30 tags/sec)
- Directional Antenna for Multiple Lane Coverage
- 26-bit Wiegand or higher, and RS232 Output Format
- Life Time Active Tags with Replaceable Battery
- Direct Bar gate Output (Open Collector: 1 sec)
- OTR (One Time Reading) and HOLD Control Input
- FCC, CE & RoHS Compliant Device
CUSTOMER PROFILE

• ACCESS CONTROL MANUFACTURERS

RF Logics offers OEM branded products to all access control manufacturers at preferential pricing.

• INTEGRATORS

Access control is the core of the integrator's offering and RF Logics offers a complete “one stop shop” for RF Card Readers, Smart Card Readers, Cards, and an unparalleled range of Biometric Devices.

• DISTRIBUTORS

RF Logics offers a complete range of Stand alone Readers and Biometric Devices for small installation.

Security Products
Future Technology, Available Today.

Thank you.
For additional information, please visit www.RFLogicsinc.com