

Memoreyes™

The revolutionary **leased** intelligent surveillance solution for apartment communities.



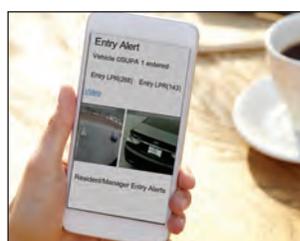
Automated Entrance Surveillance

Sophisticated computer-controlled cameras deter property damage and unwanted visitors.



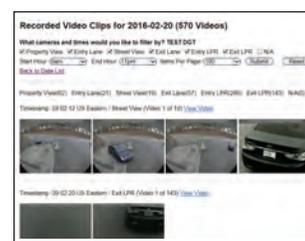
License Plate Recognition

Decodes and groups license plates into residents, vendors, delivery, frequent guests and unknown.



Advanced Alerts

Memoreyes detects and reports unusual activity, such as wrong-way traffic, gate jumpers and bumpers, and gate malfunctions.



Accelerated Documentation

Proprietary software lets property managers investigate and document incidents quickly, including easily accessing and distributing relevant video.

Memoreyes: We make surveillance effective, affordable and easy.

Memoreyes Leverages Technology for Better Apartment Video Surveillance and Management

LEASED • SAVES MONEY • MITIGATES RISKS • ATTRACTS AND RETAINS RESIDENTS

Wireless Video Distribution

Ethernet radios distribute encrypted camera video to an onsite Network Video Recorder. Signal reliability is achieved through omni or directional antennas, multiple frequencies and channels, and fast transmission speeds of up to 800Mbps.

Machine-Vision Technology

Motion detectors and machine-vision technology create an intelligent entrance sentry. Memoreyes detects and records vehicle and foot traffic, while proprietary algorithms identify double-entries and wrong-way traffic.

Dedicated License Plate Readers

At least two, and sometimes three, high-definition cameras are trained on capturing license plate images for decoding and logging. License-plate recognition is accurate at vehicle speeds of up to 40 miles per hour. Vehicle passage lists are sorted by type, including residents, visitors, and vendors.

Hi-Def 360° View Camera

Four state-of-the-art, computer-controlled cameras record in full 1080p high-definition video for sharp visuals and reliable around-the-clock entrance coverage.

Infrared Illuminators

Advanced infrared technology provides effective night vision. Infrared illuminators, with 360° dispersion and adjustable angles, see through nighttime fog, mist, rain, and snowfall as well as windows. Special infrared filters eliminate the variability of ambient light.

Available in 5 property-complementing colors

Comprehensive Surveillance Services

Entrance Monitoring and Alerts

- Video recording of vehicle and foot traffic
- Logging of license plates
- Wrong-way traffic alerts
- Gate jumper and malfunction alerts

Incident and Report Documentation

- Weekly activity reports
- Web-based video access, editing, and distribution
- Web-based report preparation tools
- Automatic archiving of reports and associated video

System Monitoring

- Gate gear monitor
- Logging of system access
- Automated backup of any video accessed by property personnel
- Automatic remote firewall management and operating system updates
- Ongoing testing of system components

We Make Surveillance Easy.



Memoreyes' revolutionary approach doesn't just mean improved capabilities. Unlike conventional video surveillance systems, Memoreyes is easy to use. Tracking entrance activities ... preparing reports ... reviewing and compiling video – it's all available at your fingertips. And because we include a free hour of forensic services each month, we can even do it for you. Let us show you how Memoreyes makes surveillance easy.



Memoreyes enables easy incident documentation, including DVDs with video evidence

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Eye-Popping Benefits

Memoreyes solves the problems inherent in traditional apartment surveillance, delivering impressive benefits.

Reduced Costs

No Capital Expenditure. Easy one year lease with no capital cost. Alternative financing available.

No Maintenance Expenses. Full service and support included.

Fewer Security Guards. Eliminates need for entrance guards/live monitoring.

Reduced Property Damage Costs. Increases likelihood of cost recovery for repairs.

Less Resident Turnover. Higher resident loyalty provides income stability.

No Investment Risk. Leasing protects against technology obsolescence.

Better Bottom Line. All-in, only about a dollar a month per resident.

Improved Operations & Productivity

Efficient Entrance Control. Enhances surveillance without impeding entry processes.

Automated Alerts. Automatic traffic/gate alerts enable quick response.

Less Entrance Damage. Vigilant electronic eyes and smoother operations reduce gate/gate arm damage.

Verified Vendor Visits. Vendor audit trail improves oversight and protects against over billing.

Faster Documentation. User-friendly web interface, including advanced video tools, accelerates incident investigation and documentation.

Hassle-Free Operation. We install it, maintain it, and continually monitor performance.

Higher Resident Satisfaction

Peace of Mind. Always-present, always-working system deters vandalism, theft, and unauthorized visitors.

Video Evidence. Unambiguous video evidence reduces disputes, improves relations with property managers.

Visitor Notification. Residents can receive notifications upon entry of vehicles on their visitor lists.

Aesthetically Pleasing. Well-crafted design and construction contribute to an upscale environment.

Privacy Assurance. Privacy protections include license plate reading standards that meet or exceed California's stringent requirements.

Memoreyes Gets Rave Reviews

"The Memoreyes system allowed us to recover over \$8,000 in gate damage expenses."

"This is just a new level of property management efficiency."

"We haven't had an event since the system went in."

"Residents offer comments all the time about how comforting the system is."

"I know for a fact this has helped us attract and retain residents."

"Vendors are a lot timelier since Memoreyes was installed."

"This mitigates so many risks."

About Memoreyes

Memoreyes was born as a developmental project to automate video surveillance at apartment communities. The application of machine-vision technology to cutting-edge cameras, coupled with advanced video analytics, has created a transformational solution.

Our expertise includes a thorough understanding of the unique needs of apartment communities. We work closely with owners and property managers to deliver breakthrough operational and financial benefits.

Specifications

Onsite Entrance System

360° View Video Cameras

- 4 1080p HD computer-controlled cameras
- Each with 100-degree Field of View (FOV)
- 5-megapixel sensor
- Built in switchable infrared cut filter for night vision
- Adjustable mounts
- Remotely adjustable motion detection
- Remotely adjustable sensitivity
- Remote area masking
- 5-second JPEG backup analysis
- Compression, JPEG, M-JPEG, H.264
- Frame rate of up to 30fps
- Proprietary wrong-way detection algorithm
- Proprietary double-entry detection algorithm
- Blackout/tamper detection

License Plate Reading Video Cameras

- 2-3 high-definition computer-controlled cameras
- Accurate up to vehicle speed of 40mph
- Blackout/tamper detection

Computers

- 6-7 SBC computers, one for each camera
- Quad-core ARM processor
- 900Mhz clock
- 1GB RAM
- 16GB SD storage for video back-up if needed

Ethernet Radio

- Frequencies: 2.4GHz and 5GHz-5.8GHz
- Channels: 2.4GHz-11, 5.8GHz-24
- Power: Up to 1 watt
- Bandwidth: Up to 800Mbps, 300Mbps typical
- Encryption: 128-bit AES
- Antennas: Omni or directional, up to 18dBi
- Compliance: 802.11ac

Gate Monitoring

- Up to 6 electrical current sensors, 120VAC-210VAC, 0-5amps
- Sampled 1,000 times per second
- 1-month storage of operational history
- Email or text to property upon detected mechanical issue
- Proprietary analysis algorithm

Infrared Illuminators

- 160 watts total
- IR pass filters
- 360-degree dispersion
- Adjustable angles

Back-Up Battery

- 1.5Ah (30 minutes typical)
- AC failure detection and reporting
- Sealed lead acid battery

Power Supply

- 360 watts
- UL Class 2
- 120VAC to 14VDC

Enclosure

- Powder-coated 12-gauge steel
- 5 colors: off-white, sand, dark green, dark brown, charcoal
- IP 55
- IK 05

Environmental

- Humidity: 0-95% non-condensing
- Temperature: -30c to +50c

Network Video Recorder (NVR)

- Intel i5 processor
- 3.2GHz
- 2GB RAM
- Dual 2-terabyte hard disk drives
- RAID 1 configuration
- Smart UPS with 1-hour standby
- Auto restart
- Managed firewall

Central Services & Monitoring

Central Services

- Texting of alerts
- Emailing of alerts
- Weekly activity reports
- Web-based video searching
- Web-based report preparation tools
- Web-based video/picture editing tools
- Hosted video web links to use in email reports
- Secure offsite log of system access
- Saved recordings of all video accessed by property personnel
- Privacy assurance policies and procedures
- Archiving of reports and associated video
- Auto deletion of aged video

Central Forensic Services

- Event identification
- Video report preparation
- Report hosting and distribution

Monitoring

- Continuous test/logging of property internet link
- Continuous test/logging of onsite computer
- Automatic remote operating system updates
- Automatic remote firewall management
- Continuous test/logging of wireless link(s) quality of service
- Continuous test/logging of wireless link(s) speed
- Camera test photo with suitability/trouble analysis every minute
- Nightly test of infrared lamps
- Internal temperatures monitoring
- Unusual system access monitoring

Specifications Subject to Change without Notice

Available Signage



Key Technology Advancements

- Machine-Vision Technology
- Networked Video Recording
- Sophisticated Video Analytics
- Property Alerts and Reports
- Web-Based Documentation Tools
- Advanced Self-Diagnosis

Memoreyes is the most effective risk mitigation breakthrough for the apartment industry in decades. It's video surveillance that marries high-tech with low-cost.



- Full automation provides reliable property protection, reducing risk.
- Proactive alerts lessen the frequency and severity of incidents.
- Resident satisfaction enhances loyalty and reduces turnover.

What's more, Memoreyes is available as a risk-free monthly lease – service and support included.

Memoreyes™

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