



# Introducing SAFR™ for Security

The premier facial recognition platform for live video.

The overwhelming number of security cameras installed in today's hospitals, stadiums, corporate campuses, airports, and more presents a major challenge for security professionals. It's seemingly impossible to have eyes on every camera every minute, so how can security teams maintain high visibility across all camera feeds to keep their people, facilities, and assets secure?

Recognize security events in real time. Every time.



SAFR facial recognition integrated with Genetec™ Security Center

*The highly adaptable SAFR platform is ideally suited for a range of real-world security use cases where trusted, exceptionally accurate industrial-grade facial recognition is required.*

SAFR for Security is the best-in-class AI-powered facial recognition solution that delivers exceptionally accurate results. Available as a standalone solution or integrated with a VMS, SAFR helps security teams stay active and engaged, reducing common issues like alarm fatigue, false positives/negatives, access-point delays, tailgating, and more. By recognizing actual security events as they happen, SAFR empowers security teams to be more situationally aware – so they can respond immediately.

## The New Face of VMS

When SAFR is paired with a VMS, the integrated experience can include:

### Video Overlays

SAFR features live video overlays within the VMS to identify strangers, threats, concerns, unrecognized persons, VIPs, employees, or other tagged individuals.

### Configurable Alerts

Security teams can customize real-time alerts and be instantly notified when persons of interest appear on a camera feed. Notifications can be further customized to initiate a wide range of powerful response actions.

### Automatic Bookmarks

Automatic bookmarks for conditional scenarios, with rich metadata attached, provide more efficient investigative analysis with recorded video – searchable by time range, location, category, person type, and registered individual.

# Secure an area with greater visibility, greater confidence.

SAFR for Security can instantly detect and match millions of faces in real time, even in challenging conditions where faces are in motion, at different angles, under poor lighting conditions, or partially obscured – reducing the number of false alarms and simplifying a security professional’s ability to secure an area with confidence.

## SAFR for Security is:



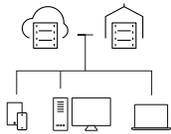
**99.86%**  
LFW ACCURACY

**Fast & Accurate** – SAFR’s 99.86% accuracy rate is compounded by high performance that delivers results 3-5 times as fast as competing facial recognition algorithms. In the April 2019 NIST results, SAFR tested as both the fastest and most compact algorithm amongst algorithms for wild images with less than 0.025 FNMR (False Non-Match Rate). This perfect balance of speed and accuracy means SAFR detects and matches a face in a live video feed in under 100 milliseconds.



**<100ms**  
RECOGNITION SPEED

**Distributed & Flexible** – SAFR’s distributed architecture creates efficient bandwidth consumption. With edge intelligence for detection, recognition on the server, off-the-shelf hardware and the ability to leverage inexpensive GPUs, the cost savings are significant.

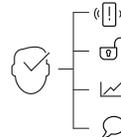


**AES-256**  
ENCRYPTION

**Secure** – SAFR uses AES-256 encryption on all facial signatures and images in transit or at rest, and no data is passed over the internet when run on premises. A full suite of administrative tools includes easy opt-in/opt-out capabilities.

Windows  
macOS  
**Linux**  
android  
iOS

**Deployment Neutral** – SAFR can be deployed on a single computer to monitor a handful of IP cameras, or scaled to thousands of cameras to meet security challenges. It can be hosted on premises or in a hybrid cloud (SAFR cloud or other cloud).



**Actionable** – SAFR provides actionable data for live analytics with rich metadata. View traffic volumes, demographic composition, dwell times, and data exports. Configure powerful custom actions and alarms based on recognition events, from turning on lights to initiating a building lockdown.

## System requirements

### Cloud deployment

SAFR Desktop for Windows

Recommended
<p><b>SAFR Desktop</b> Windows 10, Intel Core i9-7980XE, 16GB RAM, 256 GB Disk, NVIDIA GeForce GTX 1070 Ti NVIDIA driver 418.96+ for GPU-enhanced performance Up to 8 cameras (4K or 1080p)</p>
Minimum
<p><b>SAFR Desktop</b> Windows 8.1 or later Intel Core i5-8259U or better 16GB RAM, 8GB available storage 2-3 cameras (4K or 1080p)</p>

### On premises

SAFR Platform & SAFR Desktop for Windows

Recommended	Minimum
<p><b>SAFR Platform</b> Windows 10, Intel Core i9-7980XE, 32GB RAM, 1TB Disk,  Windows Server 2016 or later</p>	<p><b>SAFR Platform</b> Windows 8.1 or later AMD Ryzen 7 2700X or better 16GB RAM, 8GB available storage  Windows Server 2016 or later .NET Framework 4.6.2 or later</p>
<p><b>SAFR Desktop</b> Windows 8.1 or later AMD Ryzen 7 2700X or better 16GB RAM, 8GB available storage NVIDIA GeForce GTX 1070 Ti NVIDIA driver 418.96+ for GPU-enhanced performance .NET Framework 4.6.2 or later Up to 8 cameras (4K or 1080p)</p>	<p><b>SAFR Desktop</b> Windows 8.1 or later Intel Core i5-8259U or better 16GB RAM, 8GB available storage 2-3 cameras (4K or 1080p)</p>

## Questions? We’re here to help.

Email [bizdev@realnetworks.com](mailto:bizdev@realnetworks.com) or visit [safr.com](http://safr.com) to request a demo.



Results shown from NIST do not constitute an endorsement of any particular system, product, service, or company by NIST. [www.nist.gov/programs-projects/face-recognition-vendor-test-frvt-ongoing](http://www.nist.gov/programs-projects/face-recognition-vendor-test-frvt-ongoing).