

# Speaker

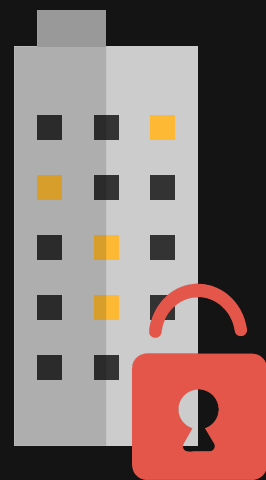
BRIAN DENMEADE

## EXPERIENCE

Brian has been with Ganz / CBC America for 13 years and has also been in the security industry more than 20 years. He has experience installing and configuring CCTV, AI programs, VMS platforms, and analytics.



FIELD APPLICATION ENGINEER



# The Top 5 Emerging Trends in Security & How They Affect Your System

GANZ SECURITY

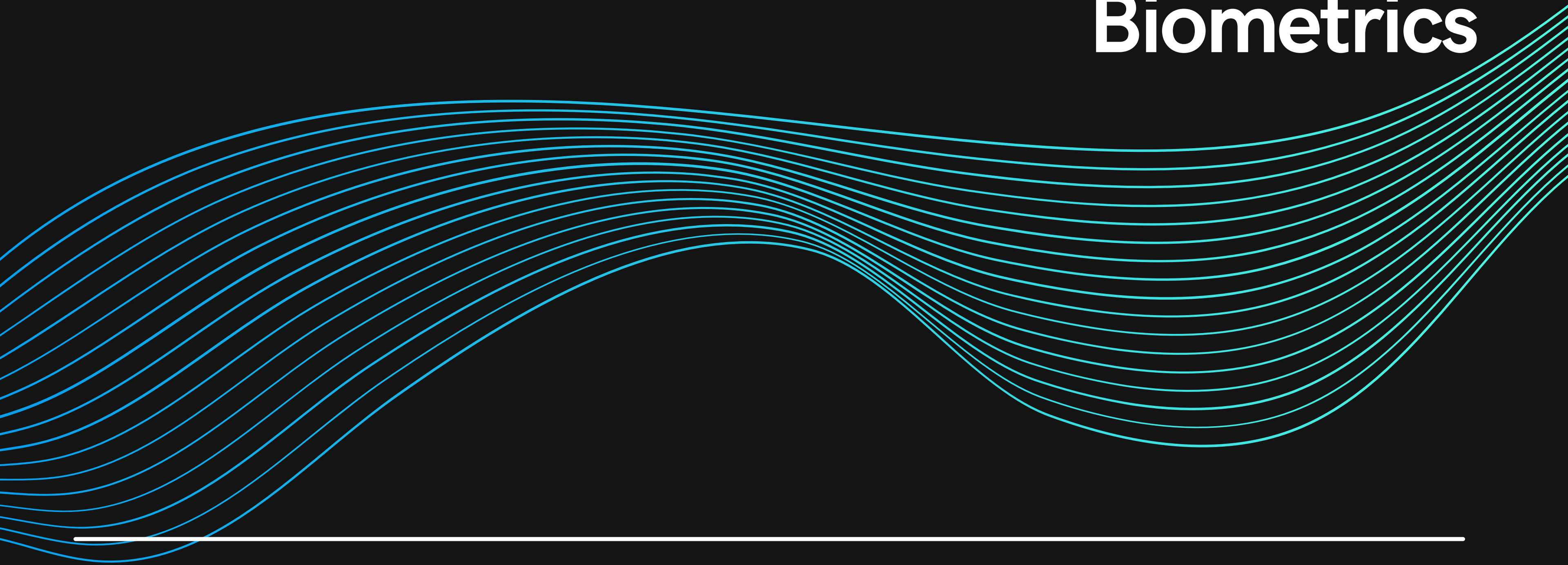


# The Top 5 Emerging Trends

1. Biometrics
2. Mobile-supported Security
3. Security Convergence
4. Smart Technology
5. Analytics



# Biometrics



IRIS SCANNING

FACIAL RECOGNITION

FINGERPRINT

PALM VEIN



# Biometrics Advantages

- Iris Recognition has 90-99% accuracy
- Facial Recognition accuracy can reach up to 99.97%
  - Has a variety of estimation (age, emotion, etc.)
- Most Palm Vein Recognition can have a false acceptance rate (FAR) 0.00001% which means it is very accurate (our BACS)
- Unlike the use of other forms of authentication such as passwords or tokens, biometric recognition provides a distinct association between an individual and a claimed identity
- There are touchless options for hygienic access control



# Mobile-Supported Security

SMARTPHONE, WEARABLES, & TABLET USE

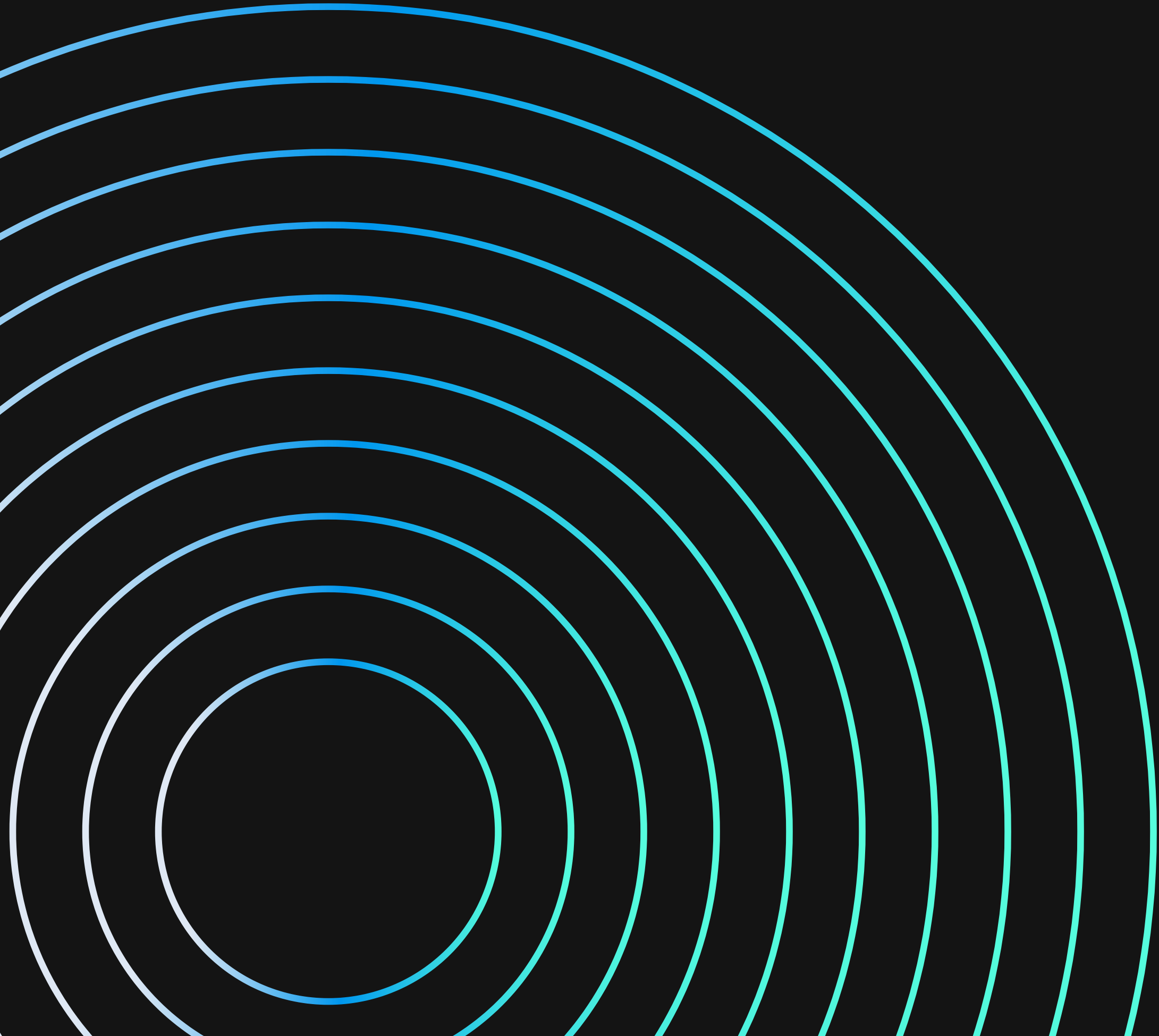


# Mobile-Supported Security Benefits

The future of computers and communication lies with mobile devices, such as laptops, tablets and smartphones with desktop-computer capabilities. Benefits are:

- Sizes & portability
- Multiple applications
- Processing power
- Affordability
- Wireless communications
- Body-cam-like functionality
- GPS metadata
- Various authentication technologies
- Push notifications

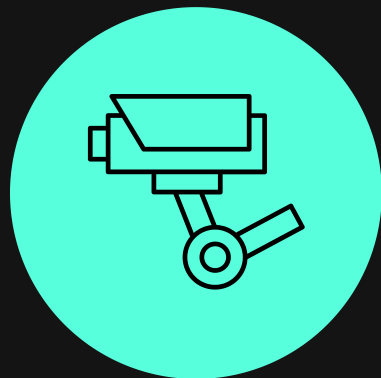




# Security Convergence



# IT + Physical Security



- Convergence is the integration of IT and physical security programs.
- Individuals and businesses operate in a converged reality. The resources they care about also straddle the physical and networked worlds.
- Security programs must work in a similar way or risk allowing threats to slip through their segregated physical and network perimeters.

CONVERGENCE

# Smart Technology



# 3D Surveillance

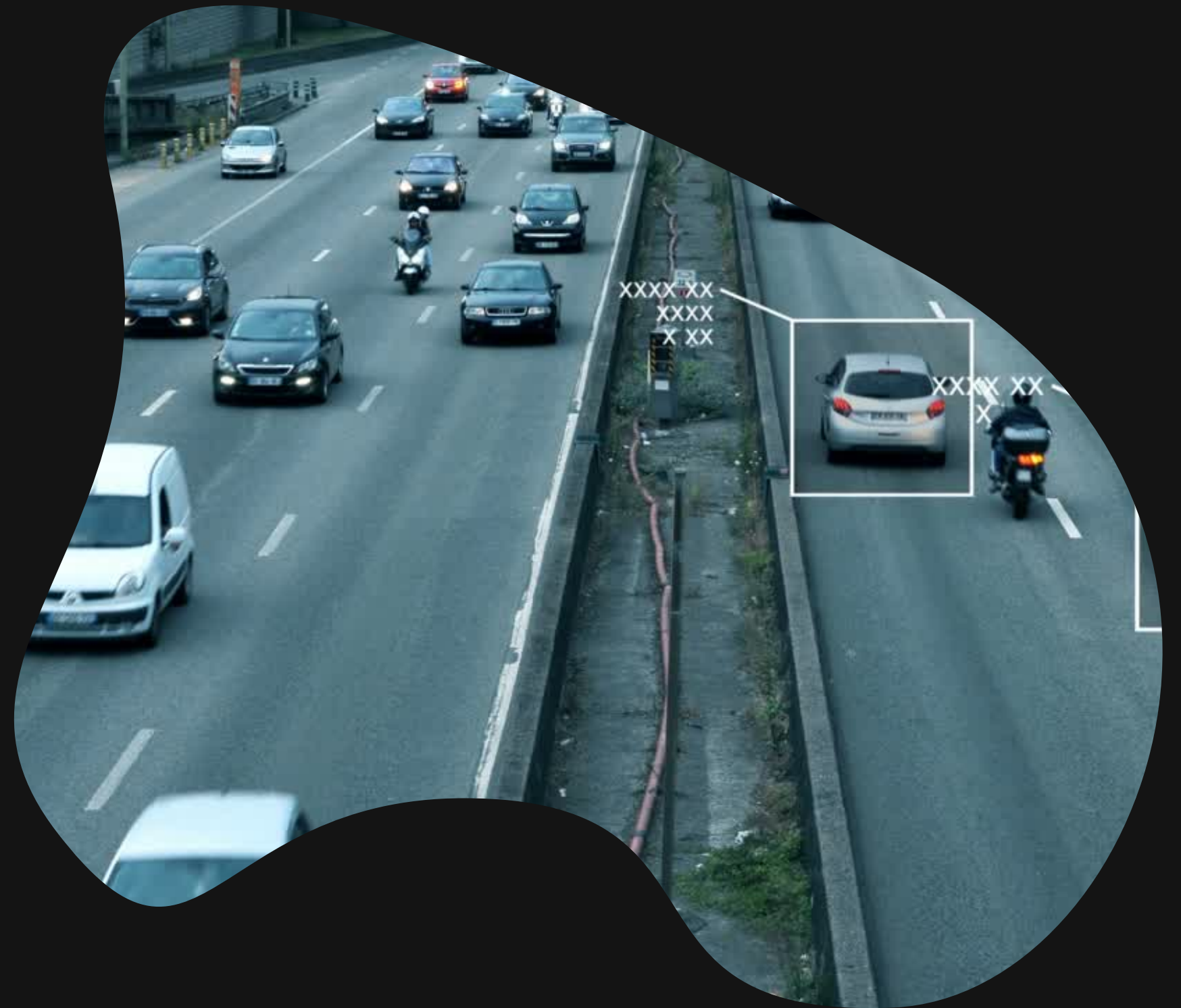
- LiDAR has a wide range of applications; one use is in speed limit enforcement
- LiDAR has been replacing radar since 2000 due to its narrower beams able to target individual vehicles
- LiDAR is growing in popularity because it can generate precise, three-dimensional information about the shape of various in-range objects, and their surface characteristics



SMART TECHNOLOGY

# LPR

- License Plate Recognition is growing in popularity within businesses and organizations
- There is a multitude of ways the data is collected that can be used to solve problems—whether financial, criminal, safety, customer service, or security-related
- Depending on the program, LPR tends to reign in a 92% to 99% accuracy



SMART TECHNOLOGY

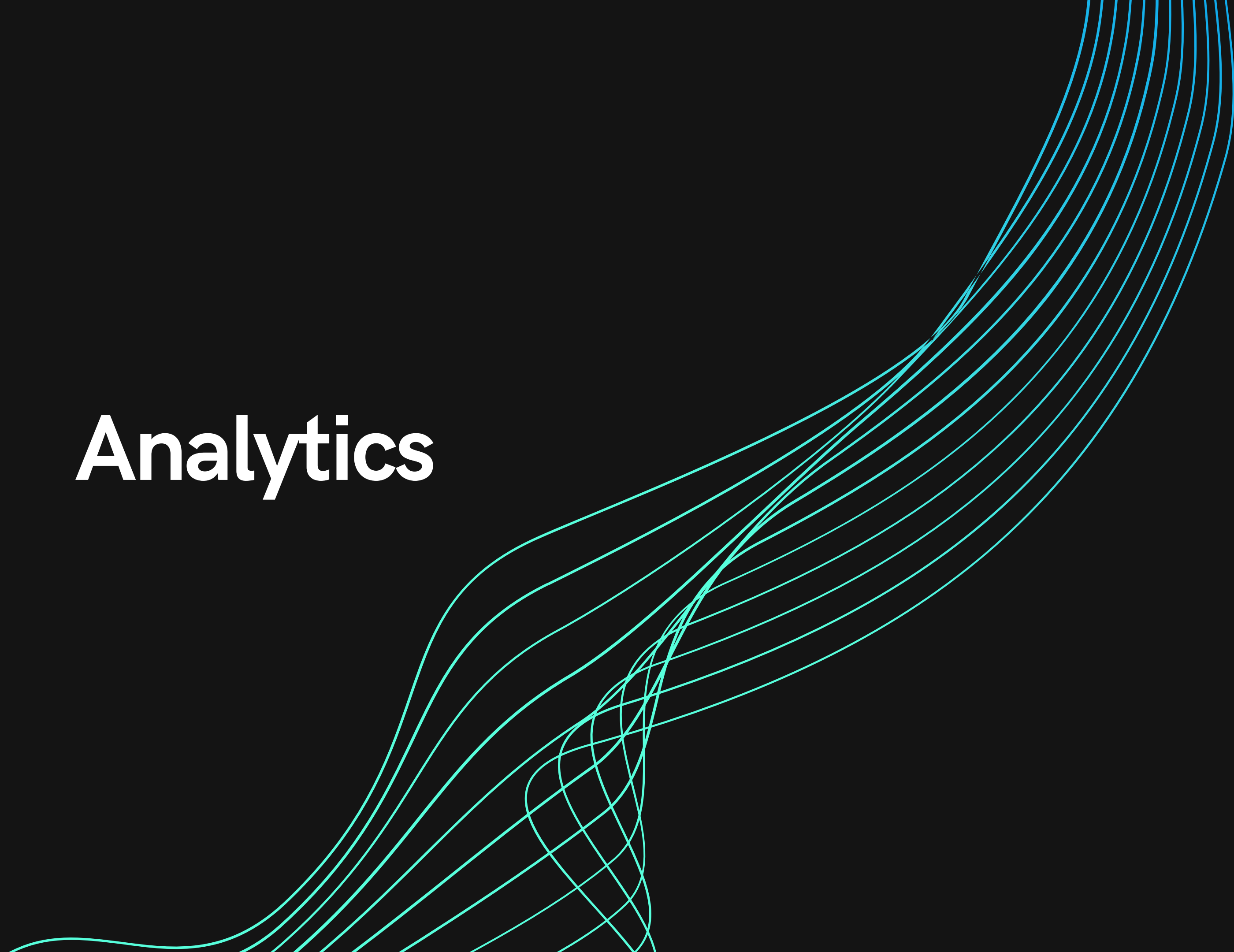


# AI & Deep Learning

- AI technologies like machine learning provide rapid insights to cut through the mass amounts of data picked up by your security system, drastically reducing response times
- AI is growing in popularity because it is continually learning and is able to distinguish threats from non-threats

SMART TECHNOLOGY

**Analytics**



# Analytics

- Standard analytics report everything, including unnecessary movements and non-threats
- New analytics include deep learning, which sifts through the mountain of data for you and cuts right to the important events
- AI- and ML-based analytics increase accuracy rates

SMART TECHNOLOGY



# Future-Proof Your Physical Security

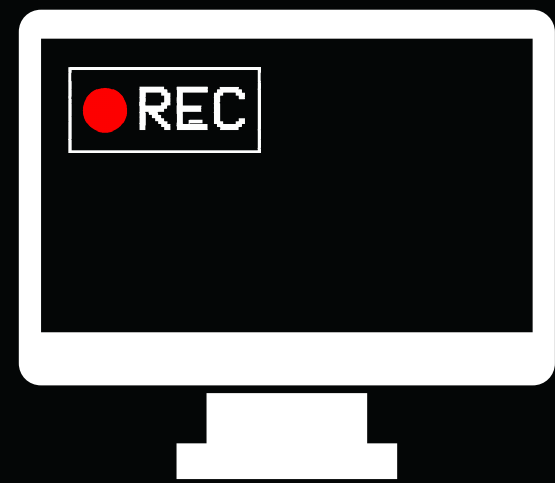
## CORTROL VMS

- Biometrics Integration provides fast and seamless multi bio-authentication
- Mobile App & Its Capabilities
- Security Convergence (access control, building management, infrastructure management etc.)
- Smart Technology—AI, FR, LPR, LiDAR
- Analytics—real-time metadata, fewer false alarms





## VIDEO MANAGEMENT SYSTEM



Come see a  
live demo  
at ISCE.

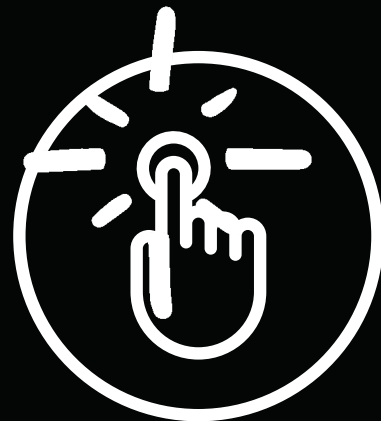
*Leica* BLK247  
Geosystems

GANZ D2PD  
POWERED BY Go<sup>2</sup>Blu.

HALO  
SMART SENSOR



3D Surveillance  
Integration



Emergency  
Communications  
Integration

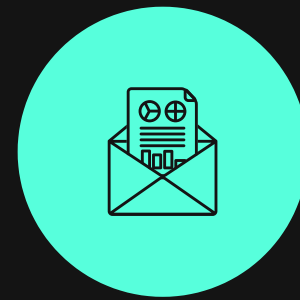


Air Smart  
Sensor Integration

[ganzsecurity.com/isce](http://ganzsecurity.com/isce)

# Thank you!

Let's find a high-tech  
security solution for *you*.



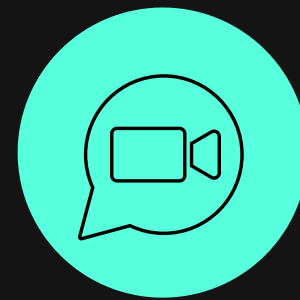
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## BOOK AN APPOINTMENT

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