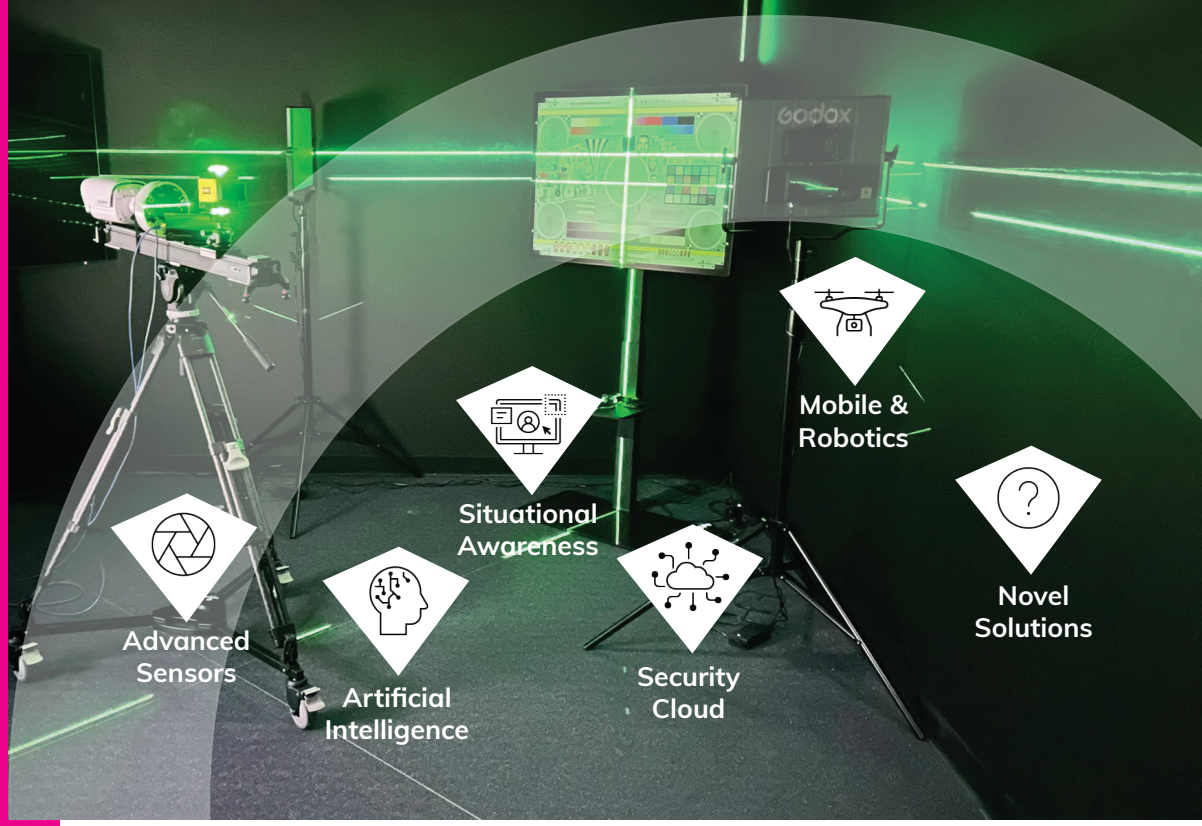
OPTICIQ

OpticIQ

Delivering security resilience and business intelligence through emerging technologies.



OpticIQ, a division of Optic Security Group, researches and develops emerging security technologies, and advises in relation to techology risk and Responsible AI.

Led by the award-winning and internationally recognised CCTV technologist Vlado Damjanovski, the Adelaide-based OpticIQ Lab is a sovereign capability for the development, testing, training, and deployment of advanced analytic and AI-enabled security technologies.

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Testing the boundaries of emerging **security tech...**

Advanced video analytics, biometrics and facial recognition, AI, thermal imaging, robotics, and cloud are just some of the emerging technologies shaping the security of tomorrow.

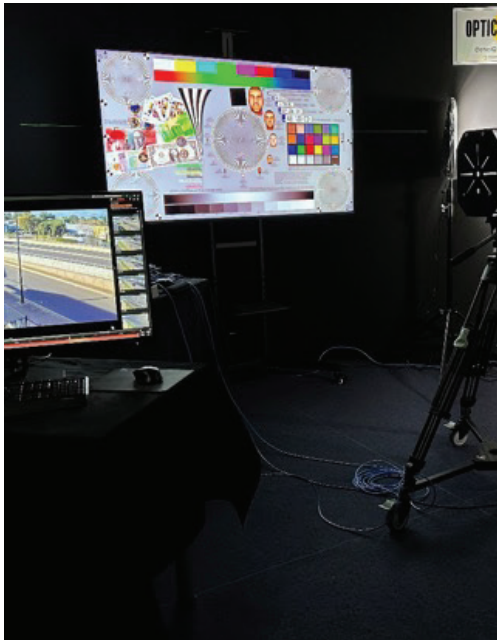
Emerging technology is widely characterised as new, fast growing, and offering massive potential future impact, but it's also associated with uncertainty and ambiguity.

While they hold potential benefits to organisations, these technologies are often untested, presenting novel challenges and risks for early adopters.

OpticIQ is a mark of trust in the emerging security technology landscape, delivering independent testing, R&D, and advisory on emerging tech, and forging trusted partnerships with vetted new technology partners.

The OpticIQ team addresses specific customer needs by developing proof-of-concept solutions and delivering game-changing deployments.

We develop solutions to the problems that existing security technologies are unable to provide answers to.



Testing

The OpticIQ Lab is a Centre of Excellence in CCTV camera testing, including verification and quantification of camera optics, resolution, S/N, minimum illumination, colour reproduction, compression quality, and more, utilising industry-leading test charts and applications.

Comparative analysis is conducted between cameras and their manufacturer specifications and the AS/NZS 62676-5 standards, resulting in the production of objective, evidence-based test reports.

Our team also optimises individual camera settings for specific deployments where factory settings are inadequate. This can produce optimal picture quality for the customer, and deliver efficiency savings for large camera deployment projects.

We openly publish our testing results periodically via the OpticIQ Technical Note series.

Developing

The OpticIQ Lab tests and trains Artificial Intelligence-based algorithms. In a new and rapidly evolving area of technology with wide-ranging variables, scientific testing verifies whether a specific algorithm will perform in the manner that its developer claims and the customer organisation expects.

In addition to having developed proprietary methods and processes for the testing and verification of algorithms, the OpticIQ Lab is capable of developing new algorithms in accordance with customer requirements.

Complementing our in-house and partner expertise, OpticIQ provides practice-based opportunities for emerging developers to hone their skills via its mentoring of post-graduate students as part of the University of Adelaide's Professions Internship Program.

Partnering

OpticIQ partners with leaders in emerging security, sensing, and surveillance technologies, including:

Conducive Technologies: an Australian provider of innovative, environmentally sustainable, and portable hardware solutions that are AI-driven.

Corsight AI: creates industry-leading face intelligence technology in accordance with the highest ethical standards in personal privacy protection.

Magos Systems: develops perimeter protection solutions combining ground-based radars, area surveillance software, and AI-based target classification.

Ninox Robotics: an Australian provider of managed Remote Piloted Aircraft Systems (RPAS) services delivering cost effective aerial intelligence.

Logipix: develops and manufactures intelligent video monitoring solutions for complex large-scale projects involving wide areas.

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OpticIQ Innovation Leaders

Vlado Damjanovski, Product Innovation Manager, is internationally renowned as a CCTV innovator and educator. His first book, CCTV, was published in 1995. Its fifth edition, *From Light to Intelligent Pixels*, was published by the Australian Security Industry Association in 2022. A past chairman of the A/NZ CCTV Standards sub-committee, Vlado was honoured with the coveted Individual Achievement Award at the 2023 Australian Security Industry Awards for Excellence.

Nicholas Dynon, Group Brand Strategy & Innovation Director, is a security consultant and Certified Counter Terrorism Practitioner. A respected security researcher and commentator, Nick is a member of the Massey University *National Security Journal* editorial board. He is the recipient of the 2022 New Zealand Outstanding Security Performance Award (OSPA) for Lifetime Achievement, and in 2025 was listed in the LSA Global Top 40 Thought Leaders in Security & Life Safety.

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