

# Novattach

## AN INNOVATIVE MOUNT BRACKET

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### BACKGROUND:

Since their inception in the 1940's, video surveillance cameras have become increasingly advanced. However, despite the technological developments that have taken place, the installation methods and hardware used for this equipment remain virtually unchanged. Installers typically rely on makeshift solutions to create mounting assemblies that are not only unsafe, but complicated to install, which can prove costly for companies in terms of both time and money.

Lanoptic Video Solutions Inc. (Lanoptic) designs, implements and supports smart digital video security and surveillance solutions. Recognising the need for a more efficient installation technique, Lanoptic developed Novattach, a first-generation, universal system for installing digital video cameras. Combining the mounting system with tools and a fastener, this device is much simpler to use than traditional methods, resulting in significantly reduced installation times.

### DURHAM COLLEGE STUDENTS AND FACULTY:

To further develop the system's efficiency, Lanoptic worked with Durham College researchers and students to redesign Novattach. The goal was to reduce the overall cost of the device while maintaining functionality, enabling Lanoptic to create a family of engineered solutions to address its expanding market.

### OUTCOME:

The project was a key step towards the commercialization of Novattach as a highly competitive product. The students involved benefited from the opportunity to utilise the latest manufacturing technologies, allowing them to refine their skills in areas including material selection, project planning and rapid prototyping. Lanoptic now has an improved and cost-effective design, which will enable the company to take more orders, expand into new markets and bring the manufacturing of Novattach to Canada, creating jobs and positively impacting the economy.

This project was made possible through a partnership with Natural Sciences and Engineering Research Council of Canada (NSERC).

### ABOUT NSERC:

NSERC aims to make Canada a country of discoverers and innovators for the benefit of all Canadians. The agency supports college students in their advanced studies, promotes and supports discovery research, and fosters innovation by encouraging Canadian companies to participate and invest in postsecondary research projects. NSERC researchers are on the vanguard of science, building on Canada's long tradition of scientific excellence. NSERC has collaborations with over 3,000 companies backed by a scalable and flexible set of programs. NSERC connects industry with world-firsts in knowledge and the people behind them, fuelling R&D and leading to firsts in the marketplace.

