



# PSILOC

## Biometrics Access Control

**The latest in facial recognition access control, PSILOC represents the newest generation of biometrics design from PSI.** PSILOC builds upon a foundation of 5 years of Biometrics design and implementation, with currently over a million faces processed every day by Perception Sensors & Instrumentation imaging systems worldwide.

**PSILOC includes integrated proximity card reading technology and specifically designed camera and illumination and camera technology.** This in combination with a powerful facial recognition engine provides fast, consistent and secure access control. With a simple and effective user interface PSILOC enables biometric security to be implemented in a vast array of applications.

### >>High quality imaging

The PSILOC uses imaging technology designed by PSI to capture high quality images of the facial region even in high vibration environments, making the system uniquely suitable for installation in public transportation systems, vehicles, high value plant equipment and machinery. Irrespective of whether its the subject in motion or the PSILOC, the ideal image will be captured resulting in optimal performance of the facial recognition system.

### >>Custom Illumination

The specifically designed illumination system integrated within the PSILOC's imaging system is tuned to the optical design of the camera. With long life performance, and unobtrusive infra-red lighting, PSILOC is capable of capturing high quality images in all ambient lighting conditions. As demonstrated by its PSI designed predecessors, the imaging system functions in the dark recesses of airport check-in to the glass walled lobbies of the departure lounge. With installations in varied conditions, from the Canadian cold to the middle east, construction sites to luxury lounges, PSI systems have successfully brought facial recognition to high value high volume applications.

### >>Applications of PSILOC

**Door Access:** PSILOC can secure door access for single or large site applications, in new builds or as a retrofit.

**Vehicle access:** Securing vehicles to the registered identity stops key theft, or with timed access stops misuse of vehicles by unauthorised personnel. (Additional tracking available)

**Medical/Laboratory:** The contactless nature of PSILOC is well suited to use in hazardous environments

**Industrial:** Due to its motion blur resistant technology with optional vibration tolerant mounts the PSILOC is a robust solution for industrial sites.

**Gates/Turnstiles:** Integration into gates and turnstiles can boost security, ensuring only registered users are quickly permitted access.



PSI

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### >>PSIQUI

PSIQUI is a behind the scenes master unit storing the database information for installed PSILOCs. Each PSIQUI can connect to 6 PSILOCs directly and provide direct power for each unit, reducing cabling complexity of the installation. For larger installations, the PSIQUI can be networked to other PSIQUI units.

Each PSILOC can be connected within a 5m radius of the PSIQUI, or a 10m radius when using powered USB hubs. This enables a single PSIQUI to service a large single installation such as a set of turnstiles or gates.



### >>Remote Lock Device (optional)

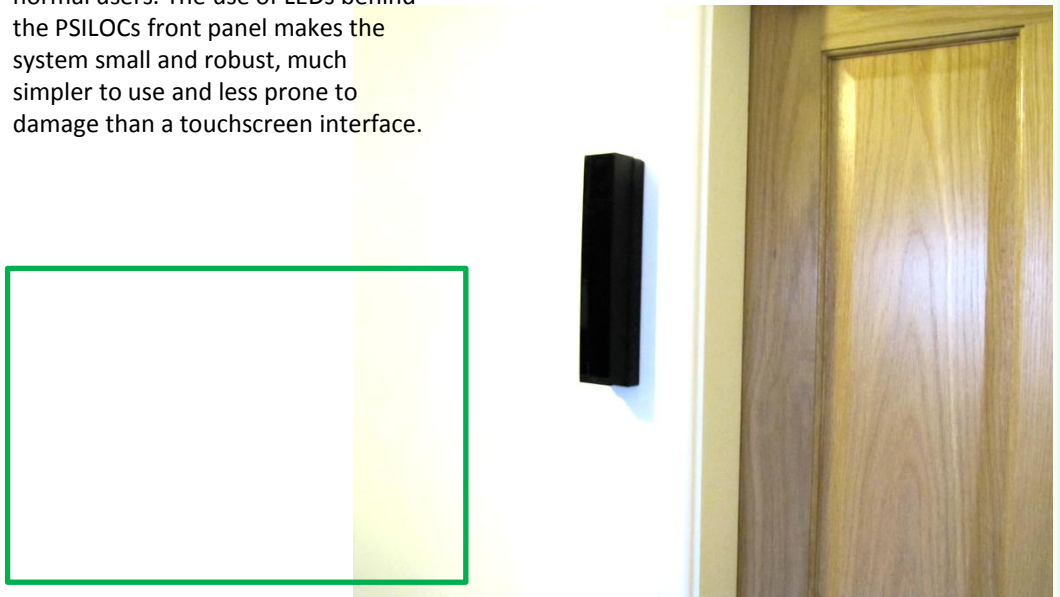
For additional security a separate remote access controller is available. This unit is small in size enabling easy installation in a secure location. The PSILOC can then communicate with this controller using encrypted commands, and remotely pass instructions such as opening or closing a lock. In practice this means that the component part in control of the locked system is kept away from users and must be communicated with using PSILOC encrypted commands, limiting the possibility of tampering.

### >>User Interface

PSILOC user interface displays a simple LED based feedback system to indicate the system mode. Different LED colours convey system processes to administrators, yet maintain a simple and efficient interface for normal users. The use of LEDs behind the PSILOCs front panel makes the system small and robust, much simpler to use and less prone to damage than a touchscreen interface.

### >>Prox-Card technology

The Prox-card reading technology in PSILOC results in a contactless interface, enabling PSILOC to be used in environments where hygiene importance is paramount. Each prox-card features a unique identification to speeds up the recognition process through large databases of facial recognition templates, ensuring consistently fast verification.



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