

OpticalLock Inc.
10017 Prospect Avenue
Suite B Santee, CA 92071

OpticalLock.com

Government Contracts:
Laura Davis
619.784.6685
laura@opticallock.com

D&B: 065820709

CAGE: 7RMD9

NAICS Codes

332510	334220
334290	334519
335999	336999
339999	517919
541511	541519

SIC Codes

3429	3669
3829	3699
3799	3999

PSC Codes

6350	5810
5865	

WHAT WE DO

OpticalLock designs and manufacturers high-tech container seals in the shape of a lock. OpticalLock devices assure the authenticity of goods shipped or stored. Locks are accessed by a secure smartphone app only available to authorized personnel. Locks are controlled by secure, cloud based OpticalLock Management Software.

WHY OPTICALLOCKS ARE UNIQUE

OpticalLocks cannot be duplicated or spoofed.

Patented OpticalShield™ fiber-optic, tamper-detection technology continuously monitors Locks. Unique fiber-optic signature recorded when manufactured. No two Locks can ever be identical and cannot be counterfeited.

Silent, wireless emergency alert messages sent upon breach attempts

Alerts launched to designated personnel.
Protects against unauthorized opening or forced entry attempts.
Monitors stationary, point-to-point, and time geofences.
Real-time, actionable intelligence protects storage, facilities, and cargo.
On-board GPS tracks moving shipments and provides the location coordinates.

Cyber-secure, cloud-based OpticalLock Management Software stores all data

Complete profile of each Lock and every user.
History data includes every reported alarm or alert.
Mobile history logs each interaction with every Lock and field user.
Real-time, detailed maps track the path of OpticalLock-secured cargo while in transit.
Data can be downloaded for reports and process improvements.

Cybersecurity measures at all points-of-access and during data transit

AES-256-based cybersecurity technology.
Encrypted data is stored in a secure Azure cloud platform.
On-board sensors also monitor battery life, temperature, humidity, and motion.

The OPTi-100 has been HERO tested

RECENT EXPERIENCE:

United States Transportation Command - Feasibility and Utility Studies for Use of Multiple-Mode Cargo Tracking Tags

OPTi-100 Field Testing - England, Canada, Columbia, India, Indonesia, Kenya, Mexico, Nigeria, Scotland, South Africa, Taiwan, United States

Raytheon - successful trials to integrate our Management SW into their ATLAS Inventory system

Field User Mobile App

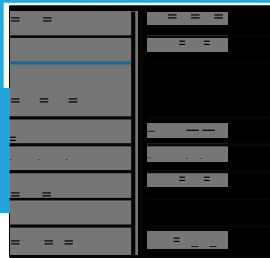
Only authorized users
Authenticates that OpticalShield signatures match
Allows combination retrieval
AES 256 & 128 encryption



Cloud-based, Secure Data Repository

Lock history User interaction log Alarms sent to Contacts AES 256 encryption

Cloud-based
SERVER



OpticalLock

Unique fiber-optic signature
Multi-mode wireless communications
Battery, motion, temperature sensors
Alarm codes sent on breach attempts



Management Software

Lock management
Geofence controls
Communications settings
User settings
Secure web-based data access
AES 256 encryption

Patents

U.S. Patent No. 9,329,0986

Method and Optical Shield for Detecting Tampering; Issued May 3, 2016

U.S. Patent No. 9,618,421

Method and Optical Shield for Detecting Tampering; Issued April 11, 2017

U.S. Patent No. 9,990,866

Container Tamper-Proof Protection by Use of Printed Fiber Optics Manufacturing and Integrated Sensors; Issued June 5, 2018

U.S. Patent No. 10,107,014

Security System with Anti-Tampering Sensors and Cybersecurity; Issued October 23, 2018

Patents Pending:

PCT/ US 16/49489 - Published

Container Tamper-Proof Protection by Use of Printer Fiber Optical and Manufacturing and Integrated Sensors

PCT/US 16/60828 - Published

Security System with Anti-Tampering Sensors and Cybersecurity