



LSPROTECT

Every sale. Every void. On camera, to the second.

LSProtect connects your Lightspeed Retail POS to your UniFi Protect cameras, so the moment a transaction happens at the register, your surveillance system knows about it.

"The drawer is off by \$4.82. Now what?"

You know something happened at the register. Your cameras recorded all of it. But scrubbing through eight hours of footage to find one thirty-second transaction is where investigations go to die. LSProtect ends the scrubbing: it ties every POS event to your cameras the instant it occurs.

What it does

Real-time alarm triggers

Completed sales, voided sales, returns, and register opens fire UniFi Alarm Manager alerts the moment they happen. Route them to push notifications, email, or any webhook.

Snapshots at the moment of sale

Assign cameras to each register and LSProtect captures a frame the instant an event fires. See who was standing at the counter for that void, right next to the invoice number, cashier, and amount- no footage hunting required.

Drawer audit that does the math **PRO**

Drawer short at closing? Enter the amount and LSProtect searches the day's sales for exact matches, near misses, bill-swap change errors, voids, and even combinations of transactions that add up to the difference. Each candidate comes with its camera snapshot.

Built for the back office, not the cloud

One Windows executable running on your own machine. No cloud service, no monthly server bill, no open ports. Credentials are entered in a local web console and stored encrypted with Windows DPAPI. Nothing leaves your network except the secure calls to Lightspeed's API.

Filters that match how you run the store

Flag only voids, only sales over a set amount, only certain registers or outlets. Rules are yours to shape, and a searchable event log keeps every flagged transaction at your fingertips.

See it in action

Actual product screens, running on sample store data.

The dashboard: engine status and the live register feed

LSProtect Lightspeed → Protect

DashboardConnectionsRulesEventsDrawer auditLicense & Security

engine running

LICENSE
PRO #2002 · exp 2027-06-30

LAST POLL
6:14:16 AM

EVENTS SEEN
214

FORWARDED TO PROTECT
209

Recent activity

Time	Event	Register	Cashier	Total	Webhook	Status
7/31/2026 6:10:07 AM	Sale completed	Front Counter	Sarah M.	\$27.32	lightspeed-sale	flagged
7/31/2026 5:58:07 AM	Sale completed	Front Counter	Alex R.	\$88.61	lightspeed-sale	flagged
7/31/2026 5:45:07 AM	Sale VOIDED	Register 2	Devon K.	\$9.20	lightspeed-void	flagged
7/31/2026 5:29:07 AM	Sale completed	Front Counter	Sarah M.	\$12.85	lightspeed-sale	flagged
7/31/2026 5:16:07 AM	Sale parked	Register 2	Devon K.	\$31.40	-	no rule
7/31/2026 5:03:07 AM	Sale completed	Register 2	Devon K.	\$64.00	lightspeed-sale	flagged
7/31/2026 4:51:07 AM	Sale completed	Front Counter	Alex R.	\$23.14	lightspeed-sale	flagged
7/31/2026 4:38:07 AM	Return / refund	Front Counter	Alex R.	\$-19.99	lightspeed-return	flagged
7/31/2026 4:20:07 AM	Sale completed	Register 2	Devon K.	\$156.20	lightspeed-sale	flagged
7/31/2026 4:08:07 AM	Sale VOIDED	Front Counter	Sarah M.	\$48.75	lightspeed-void	flagged

How event correlation works

1. Alarms: each rule fires a UniFi Alarm Manager webhook the moment the matching POS event happens. In your UniFi console, open **Alarm Manager → Create Alarm**, choose trigger type **Webhook**, set the **webhook ID to exactly the rule's webhook ID** (e.g. lightspeed-void), and attach notifications. These land in UniFi's alarm activity feed. Protect does not paint third-party events onto camera timelines, so don't look for them there.

2. Snapshots (the timeline correlation): assign **Snapshot cameras** to each rule and the bridge captures a frame from those cameras the moment the event fires. The Events tab then shows the register view alongside invoice, cashier and amount, and the event's timestamp is exactly where to scrub in Protect for the full video.

The event log: every sale, void, and return with its rule and status

LSProtect Lightspeed → Protect

DashboardConnectionsRulesEventsDrawer auditLicense & Security

engine running

Event log

☒ auto-refresh

Time	Event	Outlet	Register	Cashier	Invoice	Total	Rule	Webhook	Status	Snapshots
7/31/2026 6:10:07 AM	Sale completed	Main Street	Front Counter	Sarah M.	W-10430	\$27.32	Completed sales	lightspeed-sale	flagged	
7/31/2026 5:58:07 AM	Sale completed	Main Street	Front Counter	Alex R.	W-10429	\$88.61	Completed sales	lightspeed-sale	flagged	
7/31/2026 5:45:07 AM	Sale VOIDED	Main Street	Register 2	Devon K.	W-10428	\$9.20	Voided sales	lightspeed-void	flagged	
7/31/2026 5:29:07 AM	Sale completed	Main Street	Front Counter	Sarah M.	W-10427	\$12.85	Completed sales	lightspeed-sale	flagged	
7/31/2026 5:16:07 AM	Sale parked	Main Street	Register 2	Devon K.	W-10426	\$31.40		-	no rule	
7/31/2026 5:03:07 AM	Sale completed	Main Street	Register 2	Devon K.	W-10425	\$64.00	Completed sales	lightspeed-sale	flagged	
7/31/2026 4:51:07 AM	Sale completed	Main Street	Front Counter	Alex R.	W-10424	\$23.14	Completed sales	lightspeed-sale	flagged	
7/31/2026 4:38:07 AM	Return / refund	Main Street	Front Counter	Alex R.	W-10423	\$-19.99	Returns / refunds	lightspeed-return	flagged	
7/31/2026 4:20:07 AM	Sale completed	Main Street	Register 2	Devon K.	W-10422	\$156.20	Completed sales	lightspeed-sale	flagged	
7/31/2026 4:08:07 AM	Sale VOIDED	Main Street	Front Counter	Sarah M.	W-10421	\$48.75	Voided sales	lightspeed-void	flagged	
7/31/2026 3:54:07 AM	Sale completed	Main Street	Register 2	Devon K.	W-10420	\$7.99	Completed sales	lightspeed-sale	flagged	
7/31/2026 3:36:07 AM	Sale completed	Main Street	Front Counter	Sarah M.	W-10419	\$42.13	Completed sales	lightspeed-sale	flagged	
7/31/2026 3:23:07 AM	Sale completed	Main Street	Front Counter	Sarah M.	W-10418	\$18.50	Completed sales	lightspeed-sale	flagged	
7/31/2026 3:20:07 AM	Register opened	Main Street	Front Counter				Register opened or closed	lightspeed-register	flagged	

Drawer audit: a \$4.82 shortage traced to its candidates in one search

Cash drawer discrepancy finder

Enter how far the drawer is off and the day it happened. The bridge searches that day's sales for exact matches, near-misses, voids/returns, bill-swap change errors, and combinations of 2-3 cash transactions that add up to the difference.

Drawer off by (\$) 4.82 Date 07/31/2026 Outlet All Register All Search

Searched 15 sales (11 cash, \$114.40 cash total, 1 void, 1 return) for a \$4.82 discrepancy.

Exact total matches 1

A sale whose total is exactly the discrepancy, e.g. rung up but the cash never made it into the drawer.

Time	Invoice	Register	Cashier	Status	Total	Tenders	Snapshots
7/31/2026 10:33:00 AM	W-10404	Front Counter	Sarah M.	CLOSED	\$4.82	Cash 4.82	

Exact cash tender matches 0

The cash portion of the sale equals the discrepancy (split tenders).

None found.

Bill-swap candidates 0

The discrepancy equals a common bill mix-up (\$5--\$10, \$10--\$20...). These are the day's largest cash transactions, with the most change handled and the most room for a miscount.

None found.

Near misses (within 50¢) 1

Totals close to the discrepancy, in case of a coin miscount on top of a transaction-level cause.

Time	Invoice	Register	Cashier	Status	Total	Tenders	Snapshots
7/31/2026 1:08:00 PM	W-10408	Front Counter	Sarah M.	CLOSED	\$4.95	Cash 4.95	

Combinations 1

Sets of 2-3 cash transactions whose tenders add up to the discrepancy.

2 transactions summing to \$4.82

7/31/2026 12:41:00 PM	W-10414	Register 2	Devon K.	CLOSED	\$1.99	Cash 1.99	
7/31/2026 3:58:00 PM	W-10415	Front Counter	Alex R.	CLOSED	\$2.83	Cash 2.83	

Up and running in three steps

- 1 Connect Lightspeed.** Sign in once through your own private app credentials. Read-only access, nothing in your POS is ever modified.
- 2 Connect UniFi Protect.** Point LSProtect at your console with an API key and pick the cameras that cover each register.
- 3 Set your rules.** Choose which events matter and how you want to hear about them. LSProtect watches from there on out.

1 file
single .exe install

5 sec
fastest event polling

\$0/mo
no cloud subscription

See your store the way your cameras do.

Lite and Pro tiers, sized by register count (2, 5, 15, or unlimited). Licensed offline with Ed25519-signed keys- no activation servers, no phoning home.

[Get in touch](#)

© Xtremission LLC · support@xtremission.com

Requires Lightspeed Retail (X-Series) and a UniFi Protect console (UniFi OS 4+).

Not affiliated with Lightspeed Commerce or Ubiquiti Inc.