

IA-N Analyse — User guide

Plugin 1.4.0 for Nx Witness, Nx Meta, DW Spectrum and Wisenet WAVE: everyday use

Edition of 15 October 2026 · plugin 1.4.0 · ElectroniSafe

For the operator who runs the cameras every day: see the alarms, find an event in the archive, adjust a zone, read the license and update status. Installation and commissioning are covered by the Installer guide, with the same vocabulary. All screenshots are real: VMS client and plugin in English, ElectroniSafe test bench, real detections and alarms; license plates masked. New in 1.4.0: alarm transmission to a monitoring centre, GDPR file prepared by the portal, updates "security automatic, new features when you want". Screens that have not changed since 1.3.0 are shown with their 1.3.0 screenshots.

1 In short

IA-N Analyse is a plugin for the video server (Nx Witness, Nx Meta, DW Spectrum, Wisenet WAVE). It analyzes the images of the cameras where it is ticked, draws the boxes of people, vehicles and animals, and sends alarms to the VMS according to the zones and lines you draw. Everything is viewed and set in the VMS client: the plugin never sends images anywhere else.

I want to...	Where, in the VMS client
See alarms live	Right panel, "Notifications" tab; pop-ups and sounds according to the VMS event rules
Review past alarms	"Event Log" (VMS event log)
See the boxes	Right panel, "Objects" tab (open)
Find an event in the archive	"Objects" tab: filters, then click a thumbnail
Change a zone or a rule	"Camera Settings" > "Integrations" > "IA-N Analyse"
Read the license, language, updates	"Site Administration" > "Integrations" > "IA-N Analyse"
Send alarms to a monitoring centre	"Site Administration" > "Integrations" > "IA-N Analyse" > "Alarm monitoring centre"
Prepare the site GDPR file	"Site Administration" > "Integrations" > "IA-N Analyse", "GDPR file" frame

2 Seeing the alarms

Each plugin alarm reaches the VMS as an analytics event. Its title gives the type and the zone: "IA-N: type - zone name"; its text says what happened and for which object (for example "Intrusion in zone "Sidewalk" (person)"), with the box of the object.

Attribute names (Règle, Sens, Plaque) stay in French in every language, so that VMS rules and searches that filter on them keep working when the language changes; their values are translated.

Alarm in the VMS	Sent when...
IA-N: Intrusion	a selected object has been in an intrusion zone for the chosen time
IA-N: Zone entry / IA-N: Zone exit	an object enters or leaves an entry / exit zone
IA-N: Line crossing	an object crosses a line in the monitored direction
IA-N: Tailgating	several crossings in the same direction within a short time (badge door)
IA-N: Loitering	a presence lasts too long in a loitering zone
IA-N: Dwell time exceeded (parking)	an object stays beyond the maximum duration (no parking)
IA-N: Crowd	at least N selected objects are together in a zone for the duration
IA-N: License plate read	a plate is read in the plate zone (Plates option)

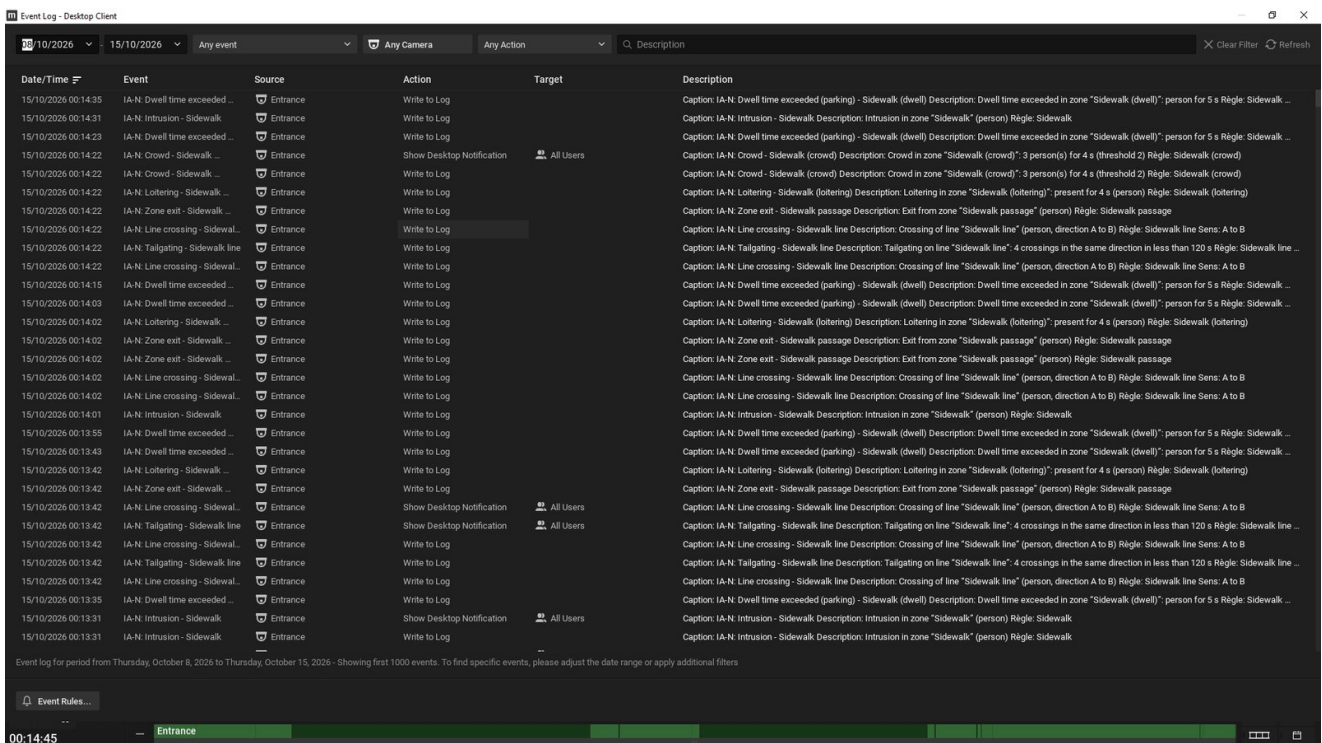
What the VMS does with an alarm (pop-up, sound, bookmark, recording, e-mail, alarm output...) depends on the VMS event rules set by the installer. If an alarm is in the event log but no pop-up appears, check the VMS event rule, not the plugin.



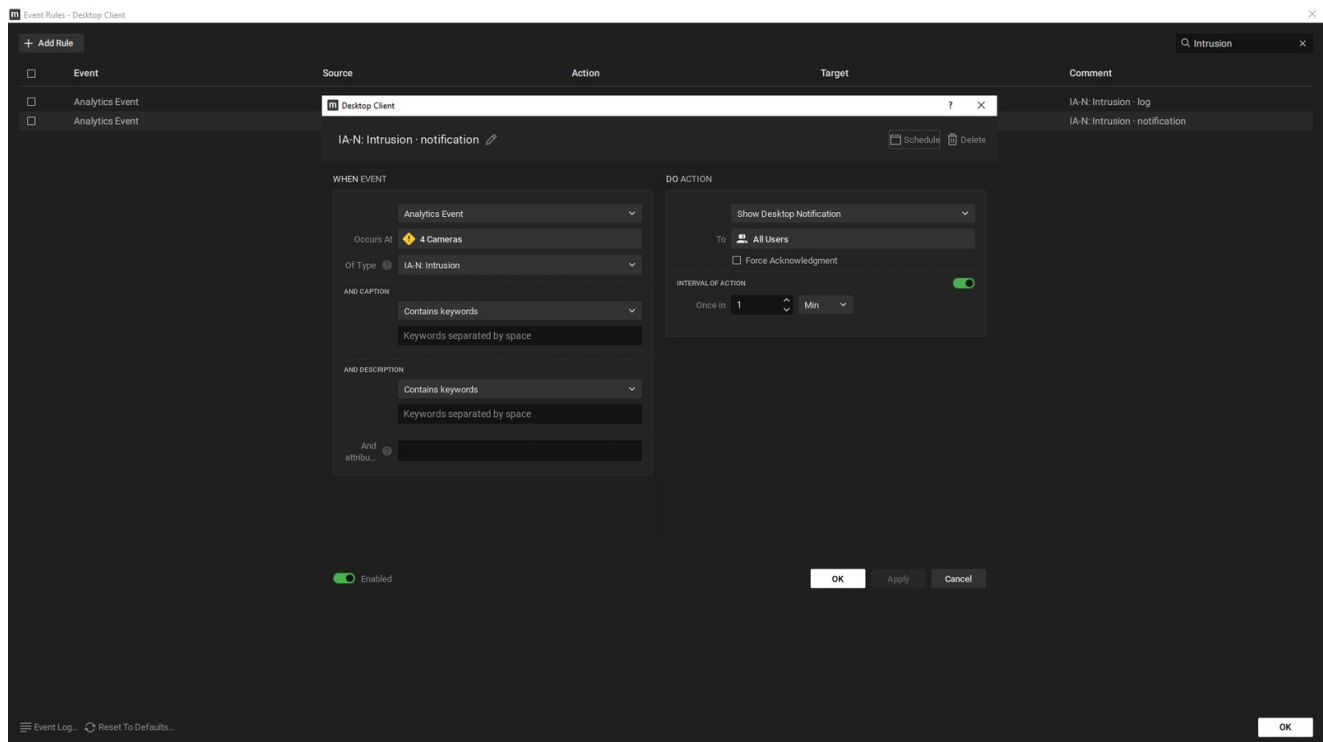
Screenshot 1 — Live IA-N alarms: VMS notifications in the right panel (type, zone, camera, thumbnail, alarm text).

Reviewing alarms: the event log

Open "Site Administration" > "Event Log". Choose the period, then filter: event type "Analytics Event", camera.



Screenshot 2 — "Event Log": the "IA-N: ..." alarms with the camera, the time and the alarm text.



Screenshot 3 — VMS “Event Rules”: a rule on the analytics event “IA-N: Intrusion” of the camera, with its action.

3 Seeing the boxes and finding an event in the archive

Open the cameras in a layout, then the right panel and its “Objects” tab. While this tab is open, the VMS draws the boxes live and in archive playback; with the tab closed, no live boxes (VMS 6.1 behavior).

- The tab lists the detected objects with their thumbnail, newest first.
- Filters: camera (or layout), period, object type, integration “IA-N Analyse”.
- To review a passage, click the timeline at the wanted moment: with the tab open, the boxes are also drawn in archive playback.
- Boxes and alarms are kept by the VMS with the same retention as the video.



Screenshot 4 — “Objects” tab: boxes on the image and list of the objects detected by IA-N Analyse, with the filters.



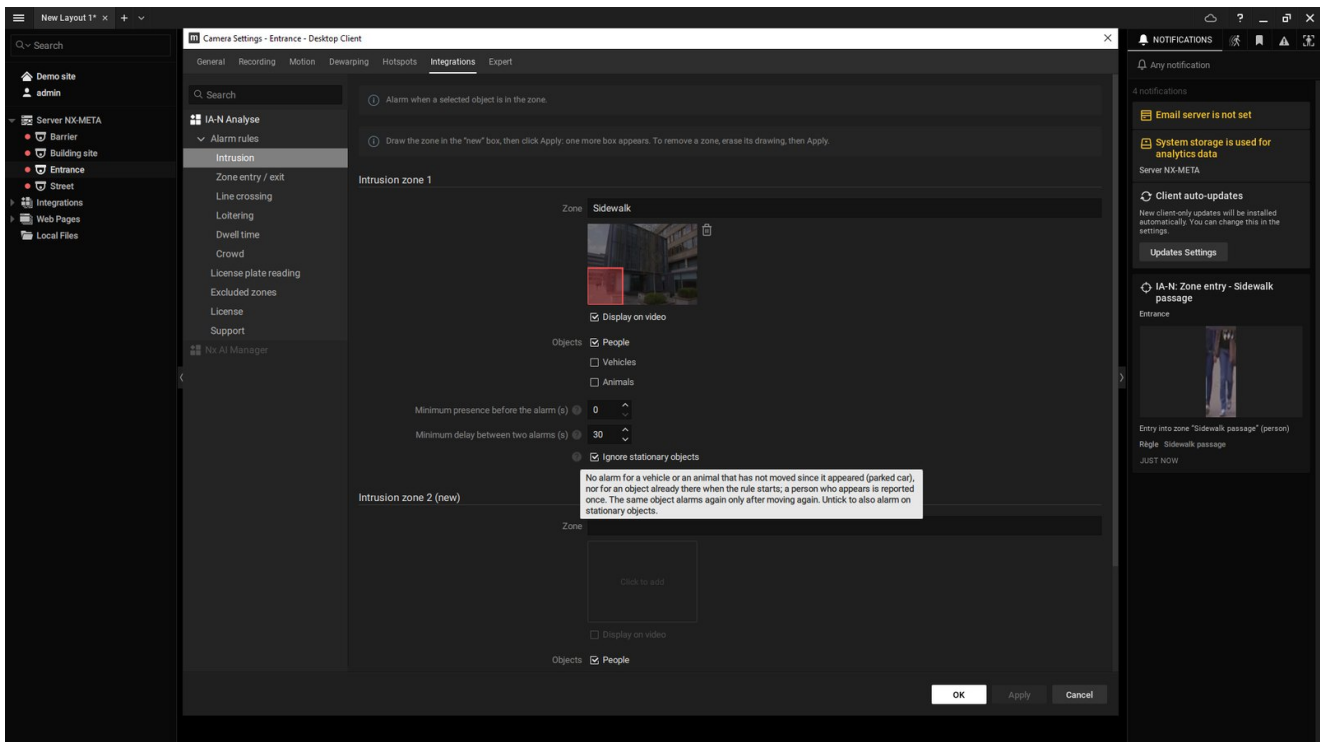
Screenshot 5 — Archive playback (click on the timeline): the boxes of the people are also drawn in the archive.

4 Why an alarm is given... or not

The "Ignore stationary objects" box is ticked by default on the "Intrusion", "Zone entry / exit", "Loitering" and "Dwell time" pages. With it:

- a parked car never gives an alarm, even if its tracking is lost and then resumes;
- a person who arrives is reported once; after that, no more alarm while they do not move (person waiting);
- the same object only gives a new alarm after it has moved again;
- an object already there when the rule starts (rule created, VMS restarted) gives no alarm until it moves.

Untick the box to also get alarms on stationary objects. Other frequent reasons for a missing alarm: object not ticked in "Objects", zone badly placed, duration too long, delay between two alarms not yet over, camera waiting for a license place (section 7).



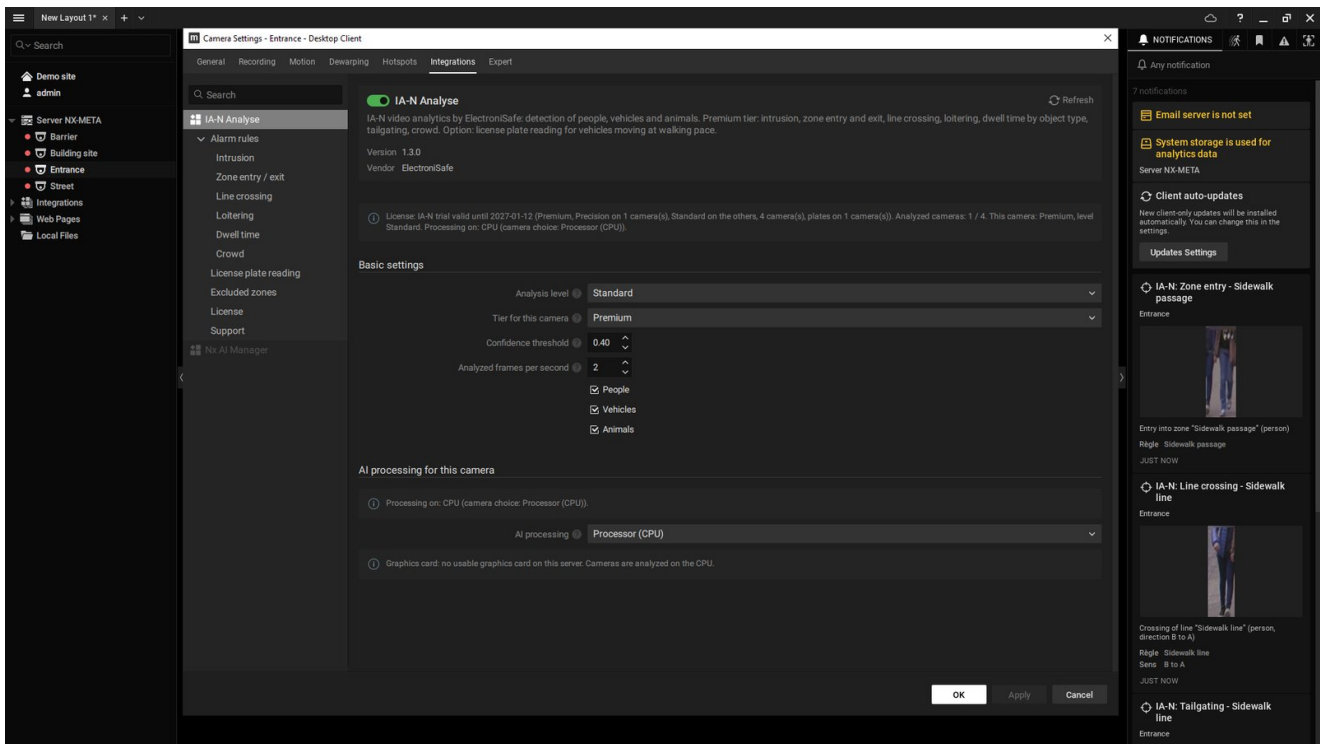
Screenshot 6 — “Ignore stationary objects” box (ticked by default) and the help shown by the VMS.

5 Adjusting zones and rules

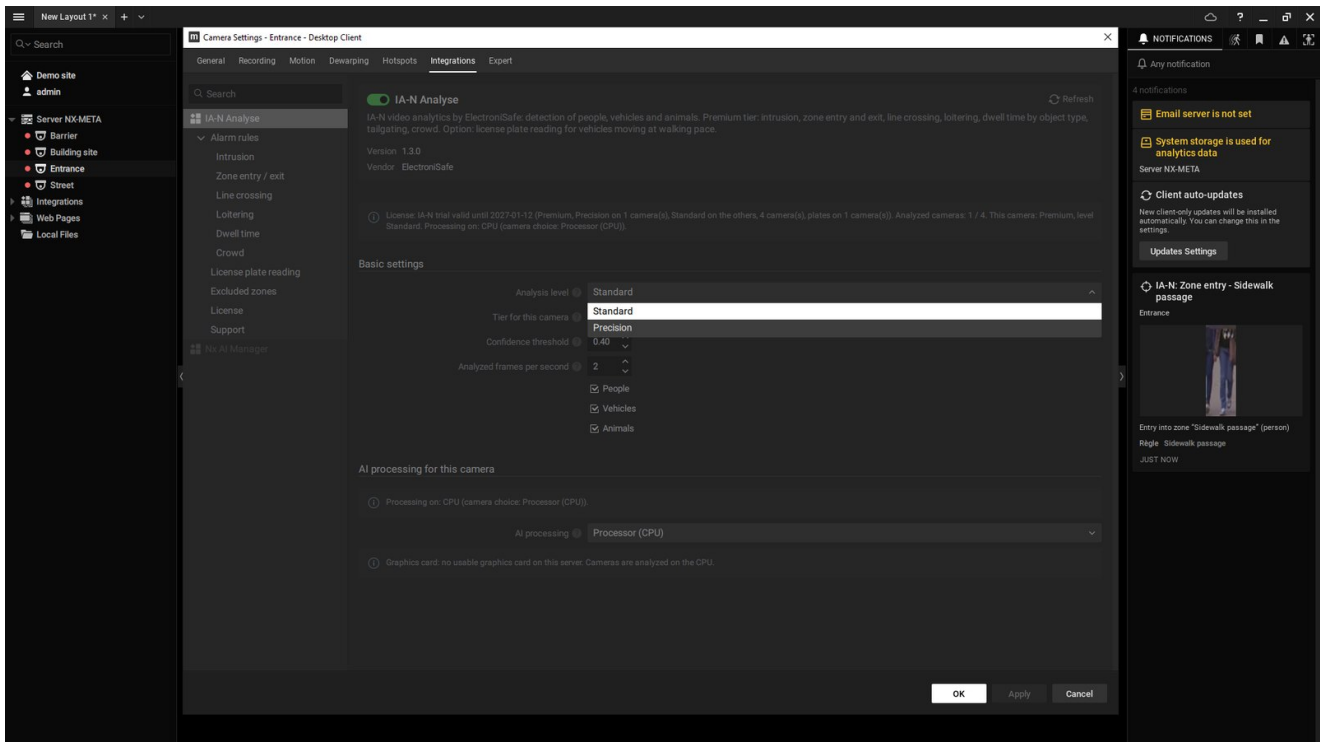
“Camera Settings” > “Integrations” > “IA-N Analyse”. On the left, the page tree: “Alarm rules” (one sub-page per rule), “License plate reading”, “Excluded zones”, “License”, “Support”. Each page only has the fields useful for its rule.

1. Open the page of the rule (for example “Alarm rules > Intrusion”).
2. In the “new” box, click the image preview of the “Zone” field and place the points of the polygon (3 to 12 points); for a line, 2 points, the arrow gives the monitored direction. Type the zone name: it appears in the alarm.
3. Choose the “Objects” and, if the page has them, the duration and the delay (0 = recommended value).
4. Click “Apply”. One more “new” box appears for the next zone.
5. Make a test pass and check the alarm in the VMS.

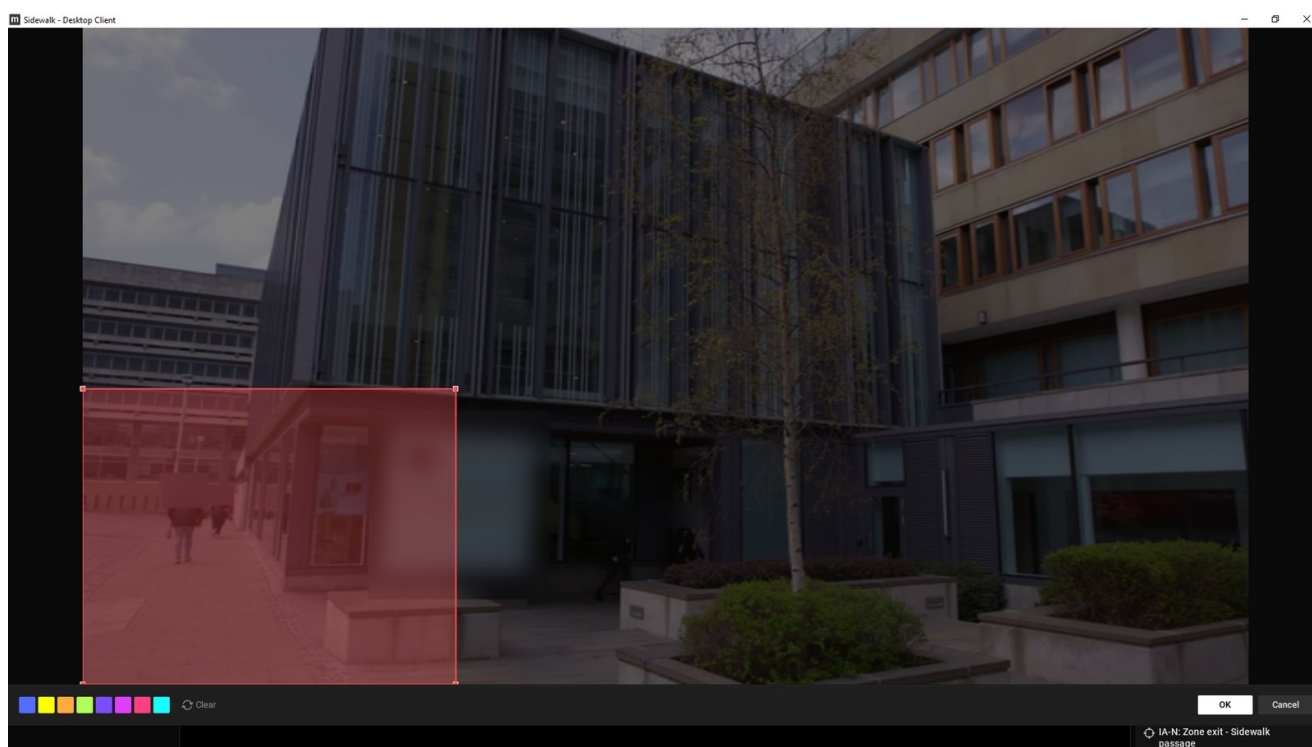
Changing the settings of a camera restarts its analysis: a gap of 1 to 3 seconds in its recording has been observed. Make changes outside sensitive moments.



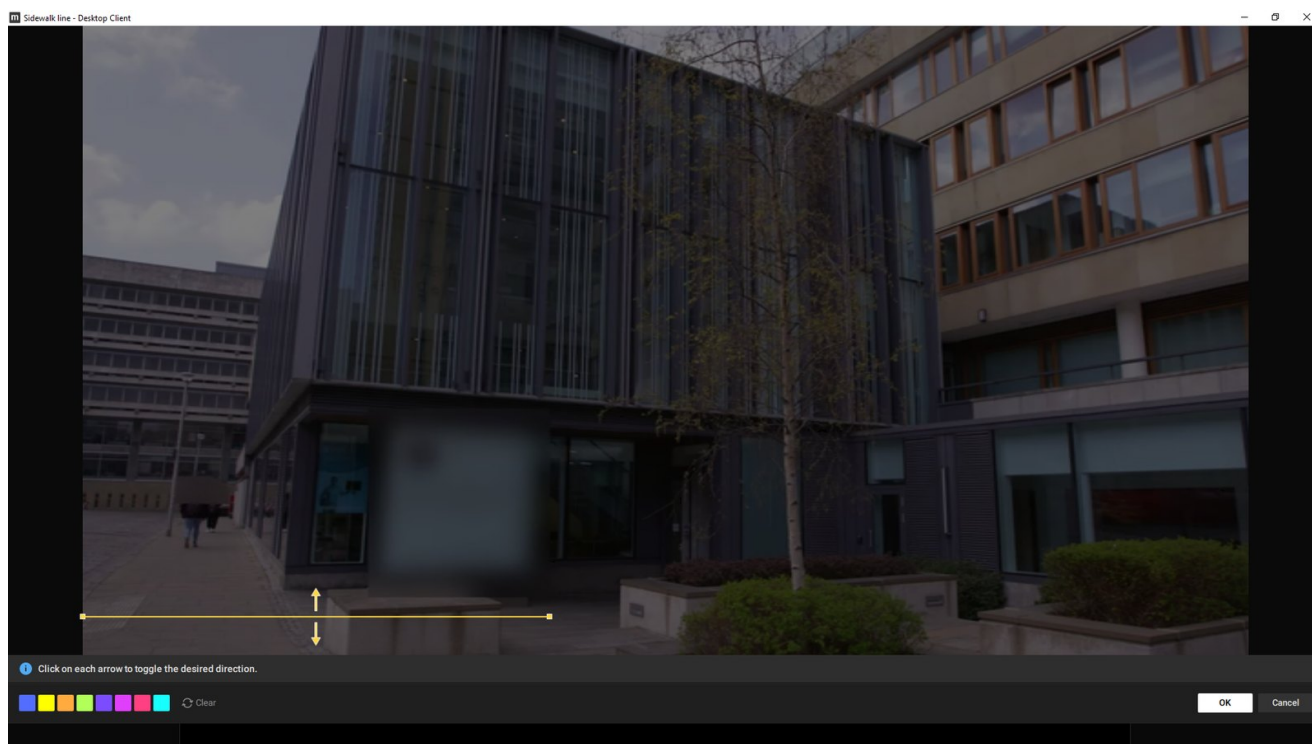
Screenshot 7 — “Camera Settings” > “Integrations”: IA-N ticked for the camera, main “IA-N Analyse” page with the status banner and the “Basic settings”.



Screenshot 8 — “Analysis level” (Standard or Precision) and “AI processing for this camera”.



Screenshot 9 — Drawing a zone: the points of the polygon are placed on the camera image.



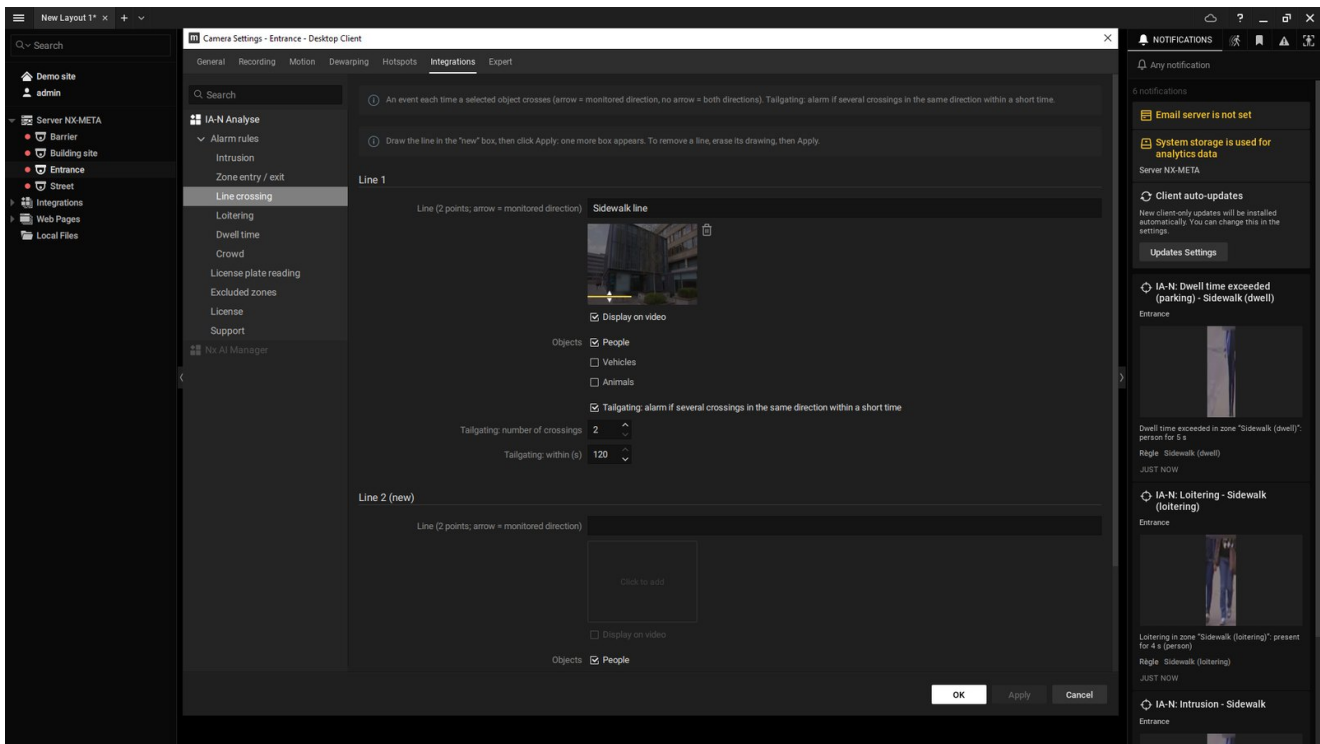
Screenshot 10 — Drawing a line: 2 points; the arrow shows the monitored direction.

Page	Settings (0 = recommended value)
Intrusion	Objects; Minimum presence before the alarm (s); Minimum delay between two alarms (s); Ignore stationary objects
Zone entry / exit	Objects; Ignore stationary objects
Line crossing	Line (2 points; arrow = monitored direction); Objects; Tailgating: number of crossings, within (s)
Loitering	Objects; Presence before the alarm (s); Ignore stationary objects
Dwell time	Objects; Maximum duration (s); Only if the object is stationary (no parking)

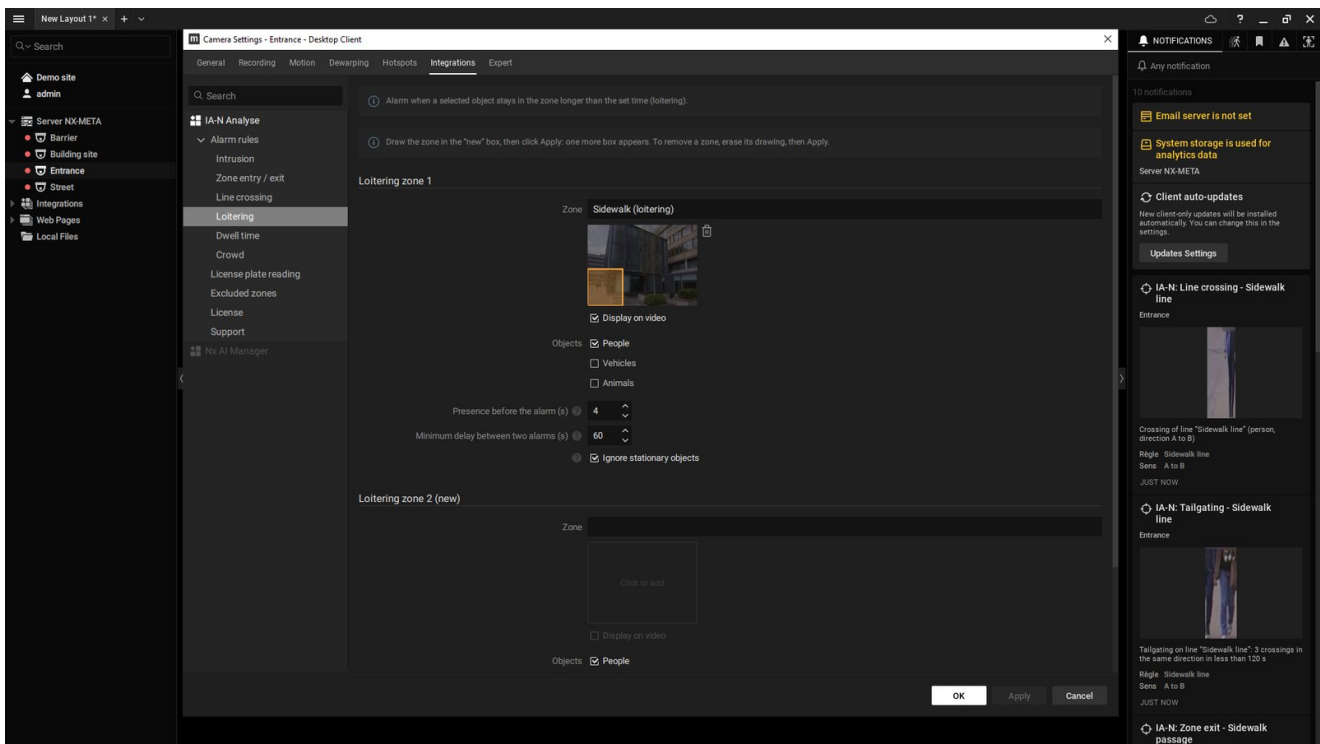
Page	Settings (0 = recommended value)
Crowd	Objects; Minimum number of objects; For at least (s)

Screenshot 11 — “Alarm rules › Intrusion”: zone, objects, minimum presence and delay between two alarms.

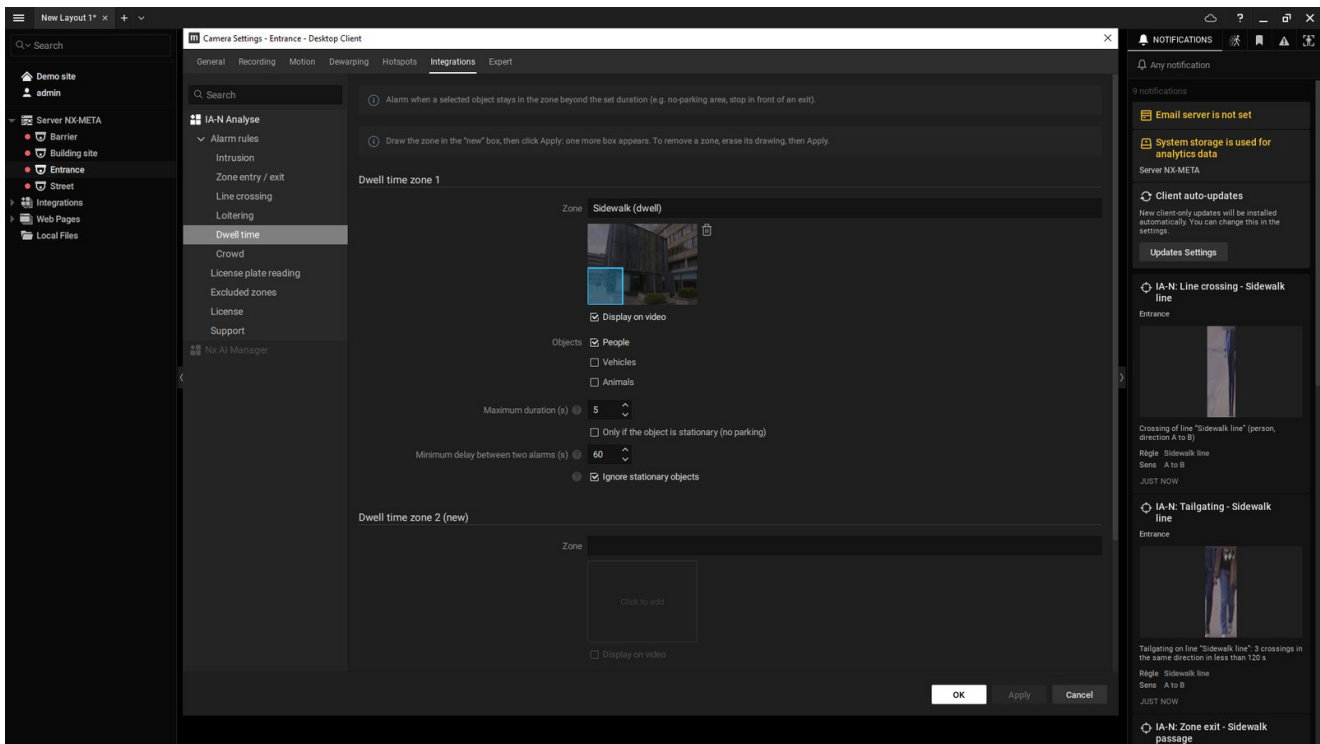
Screenshot 12 — “Alarm rules › Zone entry / exit”.



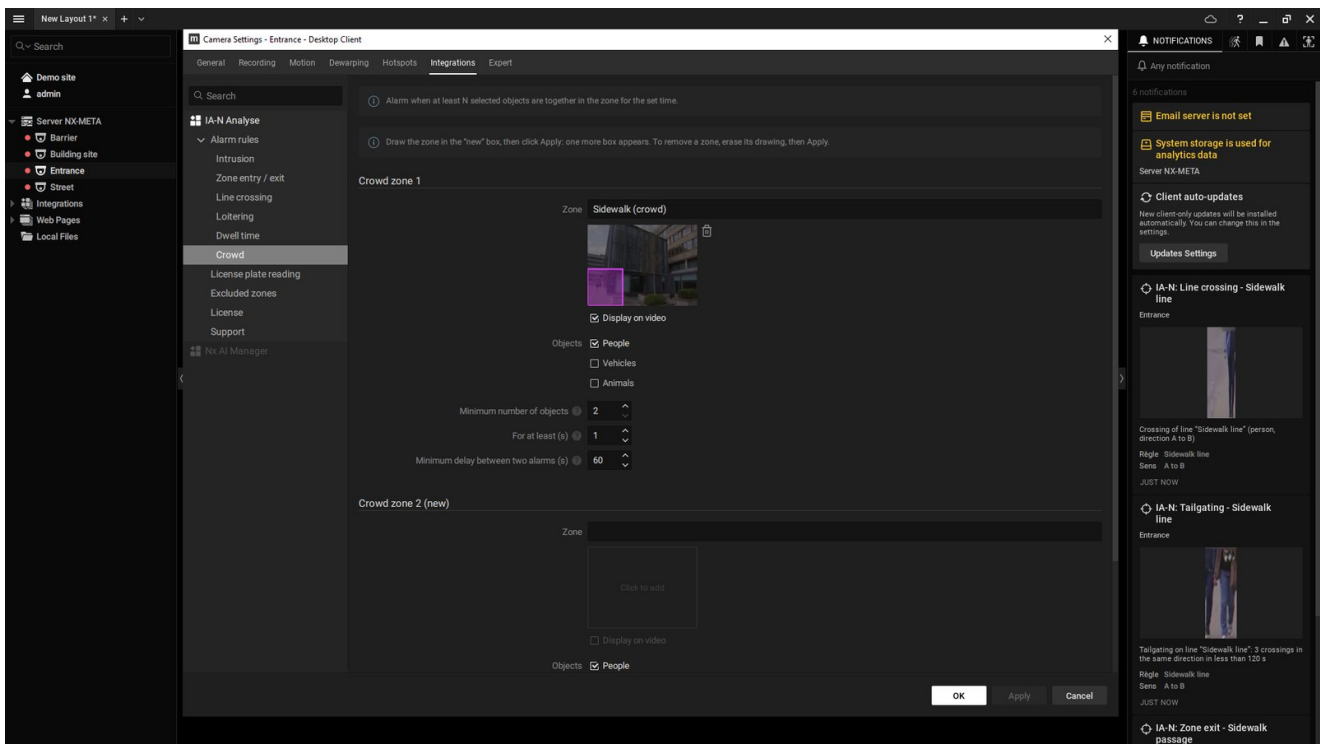
Screenshot 13 — “Alarm rules › Line crossing”, with tailgating.



Screenshot 14 — “Alarm rules › Loitering”.

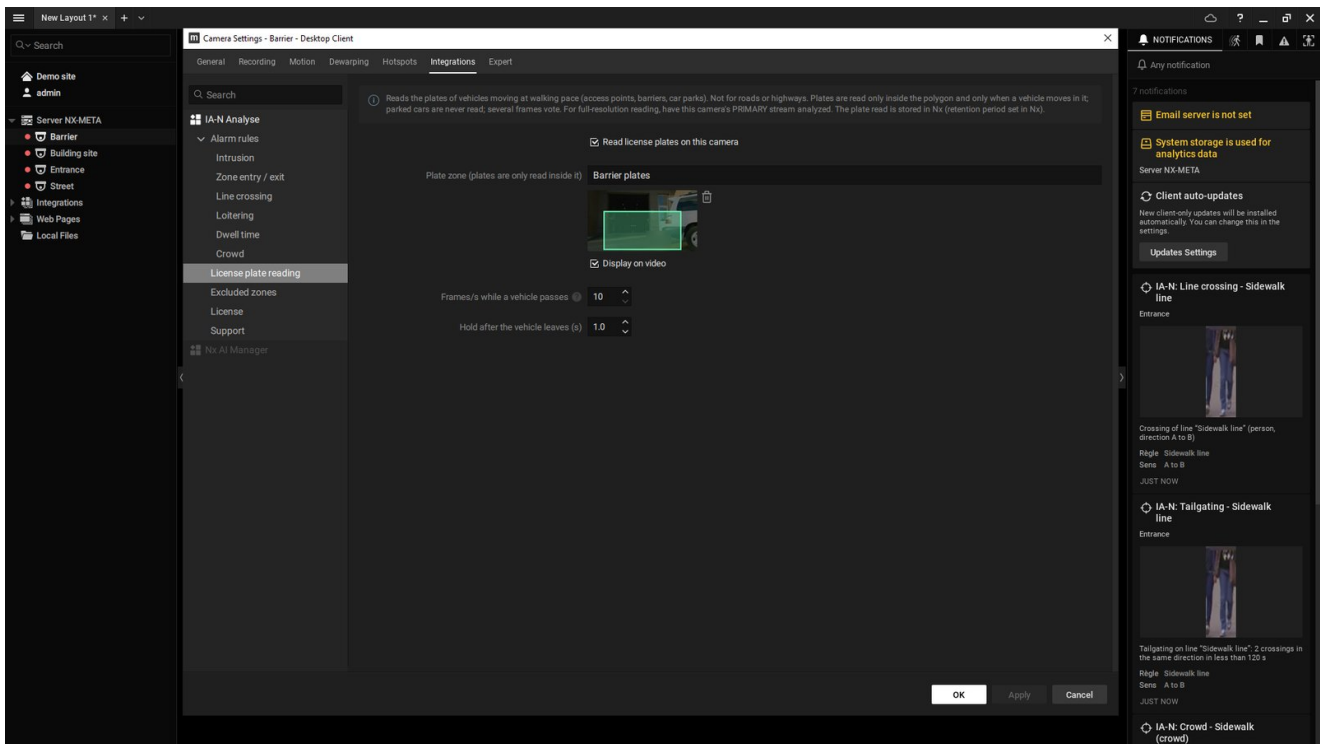


Screenshot 15 — “Alarm rules > Dwell time”.



Screenshot 16 — “Alarm rules > Crowd”.

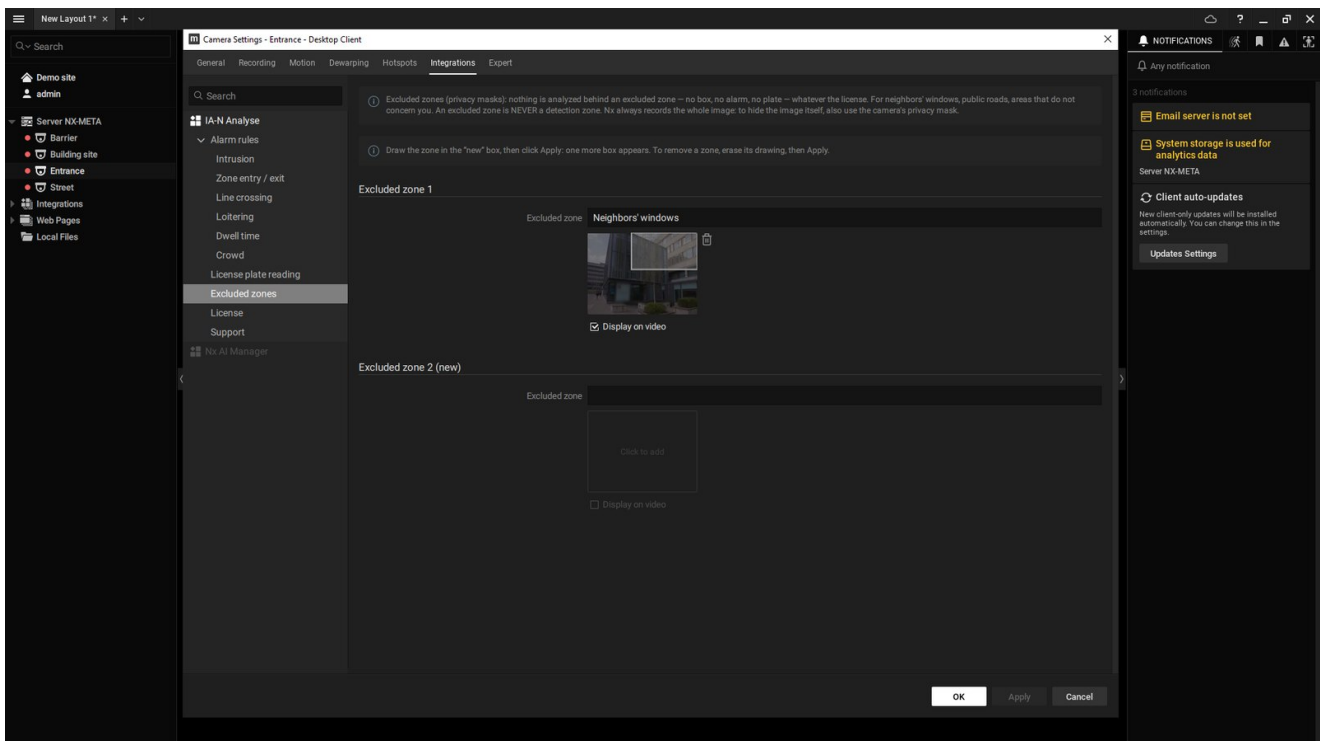
License plate reading (option, dedicated camera): tick “Read license plates on this camera” and draw a tight polygon where the plate passes large and sharp. The camera must analyze its main stream. A plate is personal data: keep the zone to what is strictly needed and a short retention in the VMS.



Screenshot 17 — “License plate reading” (option): activation box and plate zone, tight on the passage.

6 Excluded zones and privacy

“Excluded zones” page: up to 8 polygons. Nothing is analyzed behind them: no box, no alarm, no plate. For neighbors’ windows, the public road, areas that do not concern the customer. The VMS always records the whole image: to hide the image itself, also use the privacy mask of the camera.

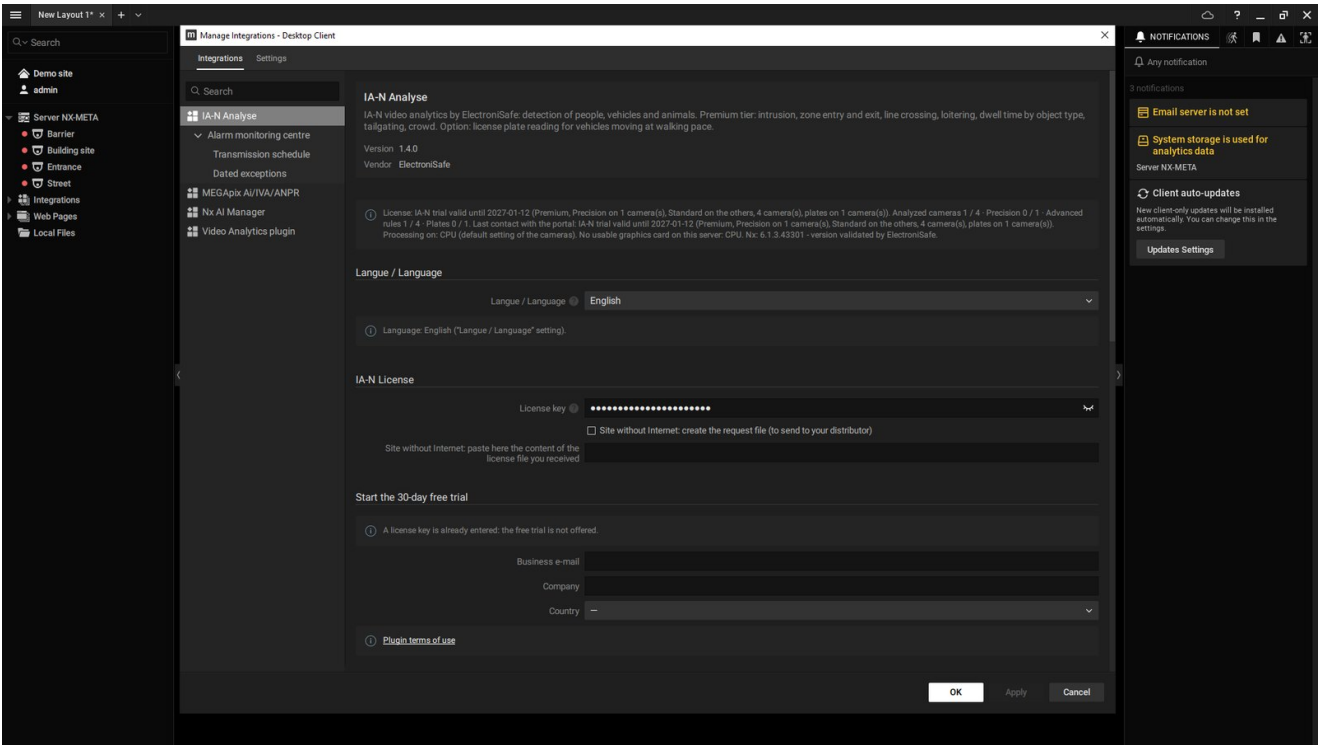


Screenshot 18 — “Excluded zones”: the grey zone is never analyzed.

The plugin never tries to find out who a person is (no biometric data). Informing people (signs, notices) and the retention set in the VMS are the customer’s responsibility.

7 License: reading the status

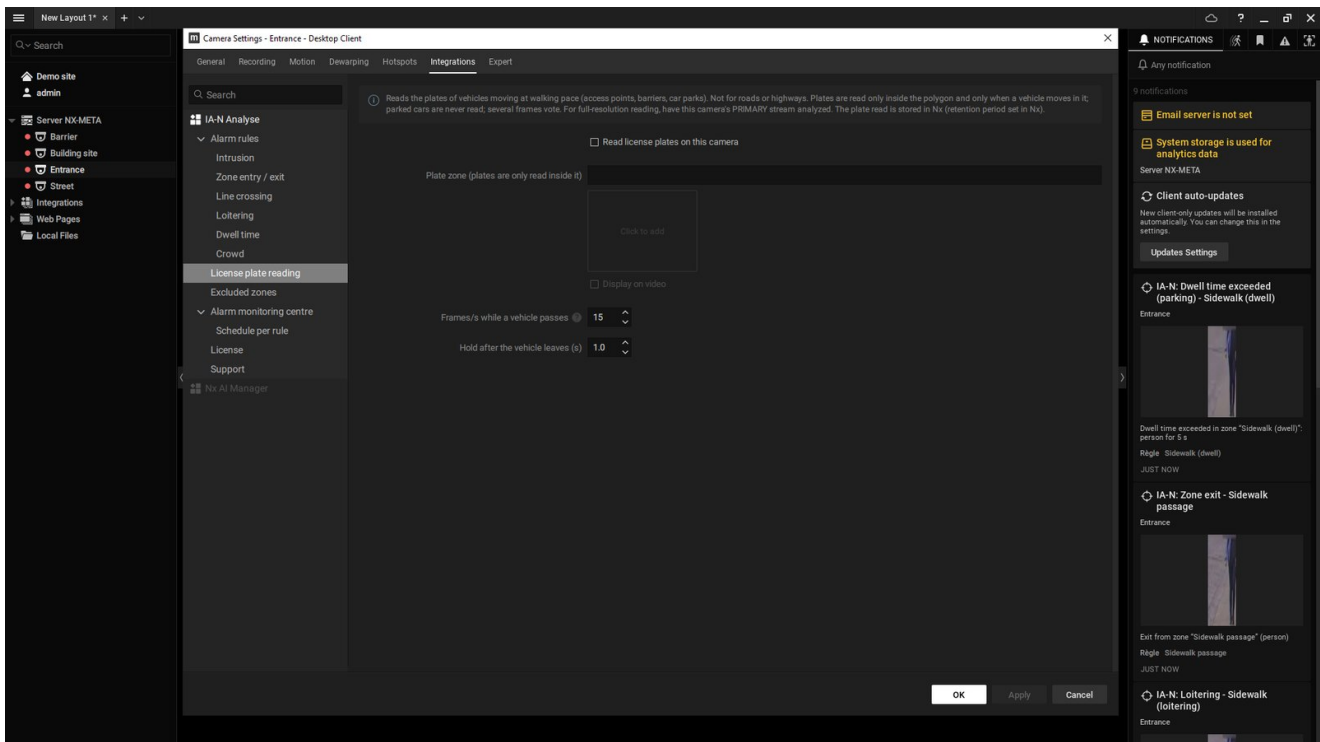
“Site Administration” > “Integrations” > “IA-N Analyse”. The top banner sums up the status; the key is entered only once for the whole server and stays masked. Each camera also has a read-only “License” page.



Screenshot 19 — “Site Administration” > “Integrations” > “IA-N Analyse”: status banner, language, license (masked key) and the 30-day free trial frame.

The banner says...	What it means
“IA-N license valid until ...” or “IA-N trial valid until ...”	The license is active.
“Analyzed cameras X / N · Precision X / P · Advanced rules X / R · Plates X / L”	Places used out of those of the license.
“Waiting for a place (k): ...”	k ticked cameras have no place: they are not analyzed. Free a place or add cameras to the license (same key).
“IA-N: analysis stopped (license)”	License missing, expired or refused: analysis stops; VMS video and recording go on.
“License not rechecked for more than 30 days...”	No more contact with the portal: restore Internet, or file activation (installer).

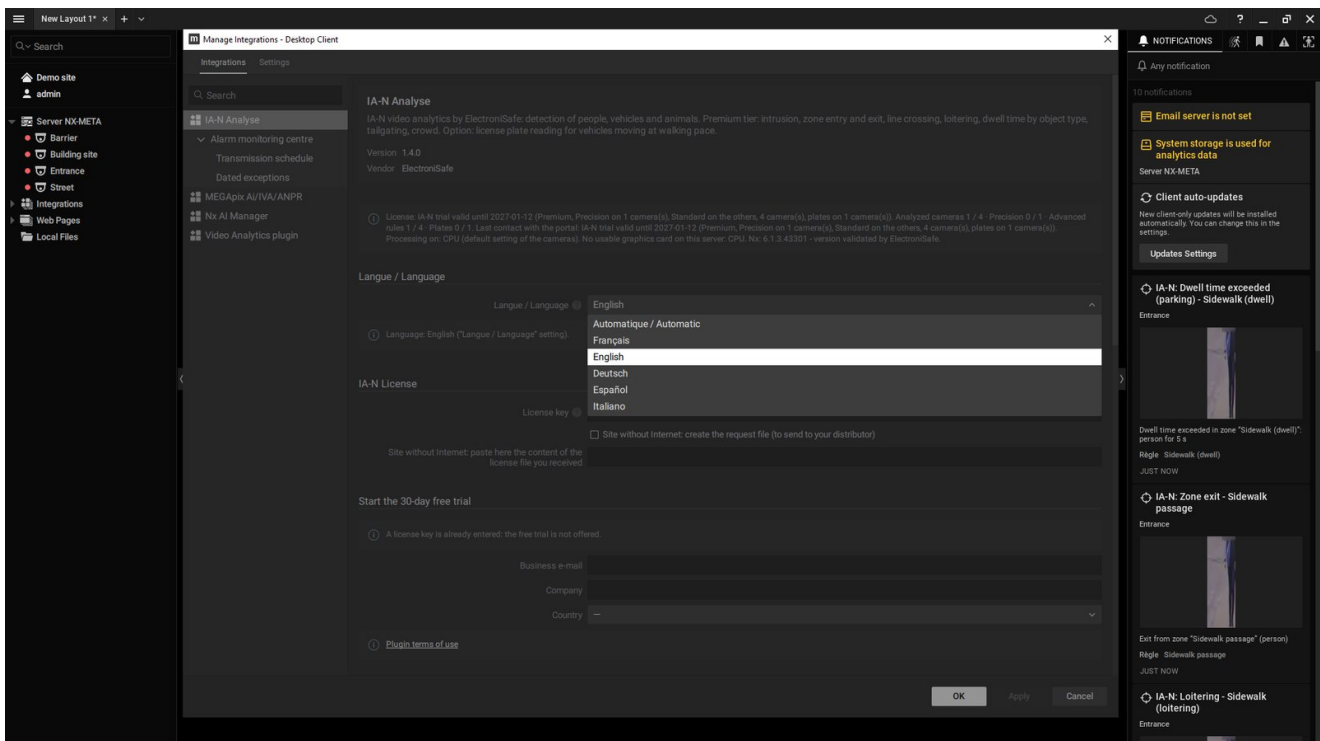
30-day free trial (new in 1.3.0, proven on 14 October 2026 with the real ElectroniSafe portal): on a server without a key, the “Start the 30-day free trial” frame asks for the business e-mail, the company and the country; after accepting the terms and clicking “Apply”, the portal sends an e-mail whose link must be clicked (valid for 48 hours), then the trial key arrives and activates by itself. If a key is already entered, the frame says so and no trial is offered.



Screenshot 20 — “License” page of a camera (read-only): status, places, situation of the camera.

8 Language

“Langue / Language” setting (“Site Administration” > “Integrations” > “IA-N Analyse”): “Automatique / Automatic”, Français, English, Deutsch, Español, Italiano. Settings and messages change as soon as you click “Apply”; alarm type names at the latest at the next restart of the VMS server. Nothing is lost: zones, lines, rules and values stay the same.



Screenshot 21 — “Langue / Language” setting: the 5 languages of the plugin.

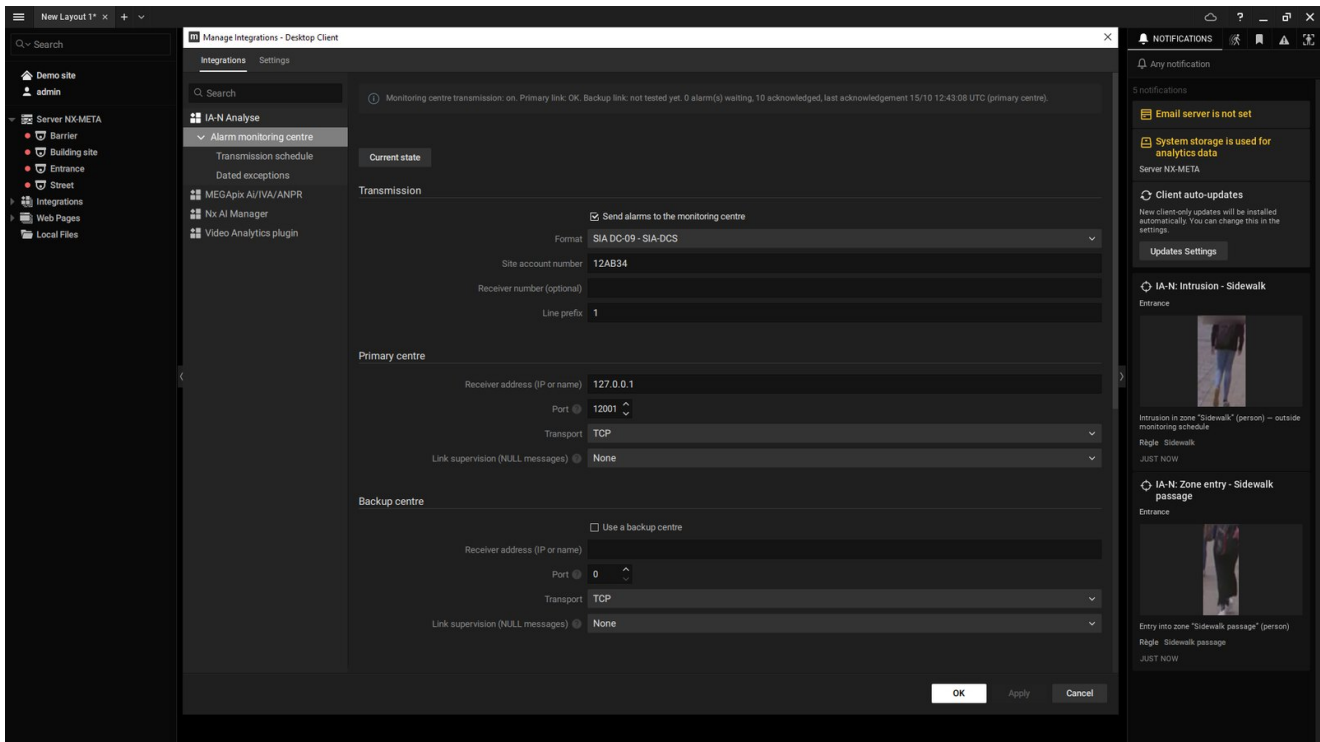
9 Alarm monitoring centre

The plugin sends its alarms to the receiver of an alarm monitoring centre, in SIA DC-09 format (SIA-DCS or Contact ID); the centre acknowledges each alarm. Alarm monitoring is included in the license. The server is set once, then each camera to be transmitted.

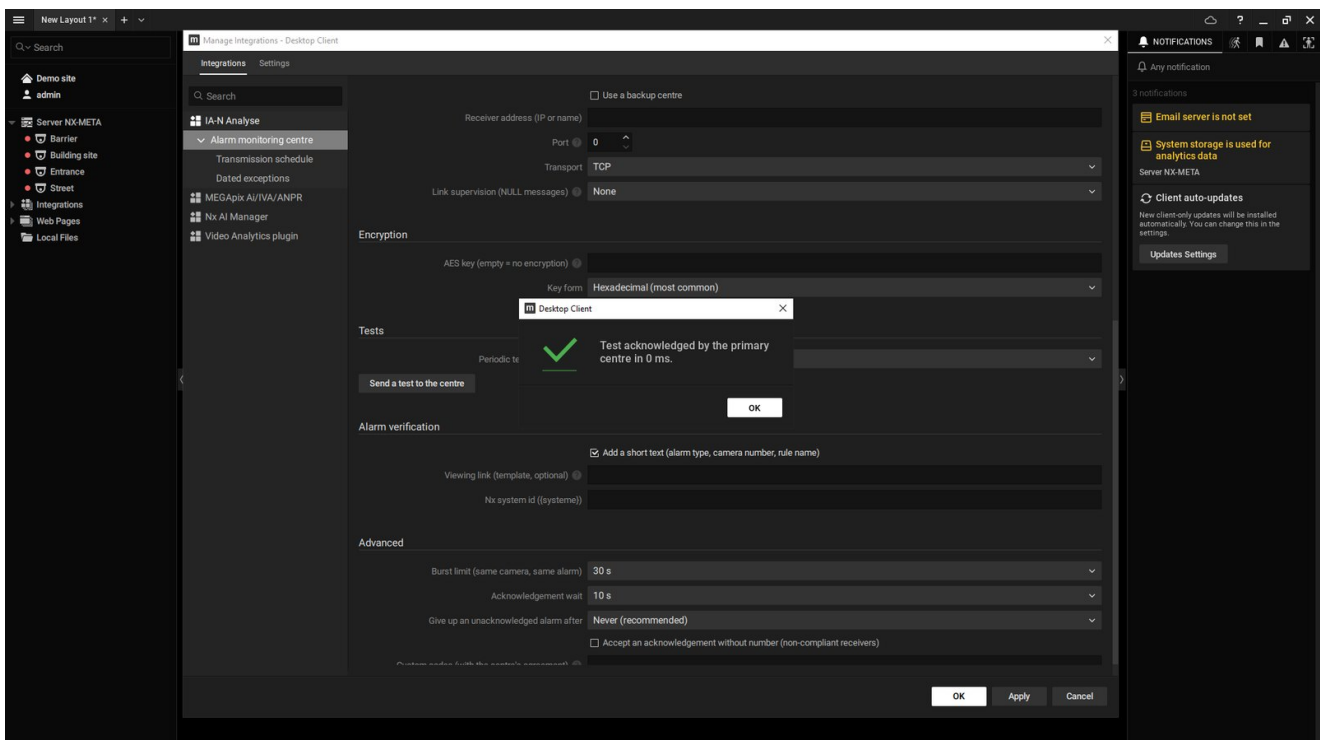
Server settings

“Site Administration” > “Integrations” > “IA-N Analyse” > “Alarm monitoring centre”:

- “Transmission”: tick “Send alarms to the monitoring centre”, choose the “Format” and enter the “Site account number” given by the centre.
- “Primary centre”: “Receiver address (IP or name)” and “Port” given by the centre; link supervision (NULL messages) at the period agreed with the centre.
- “Tests”: cyclic test, and “Send a test to the centre” button: the centre’s answer is shown at once.
- “Current state” button: tells whether transmission is ACTIVE or SUSPENDED, and until which second, from the schedule and the exceptions.



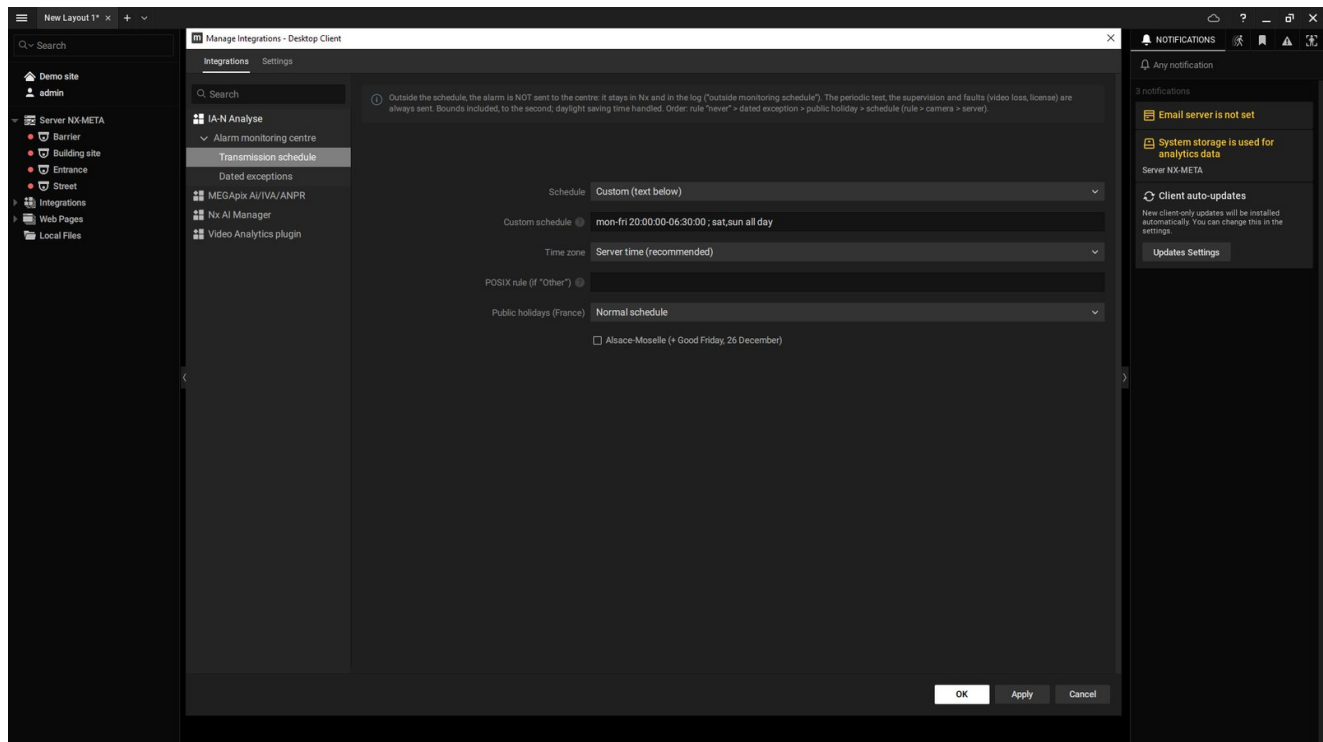
Screenshot 22 — Server “Alarm monitoring centre” page: “Current state” button, transmission and main centre.



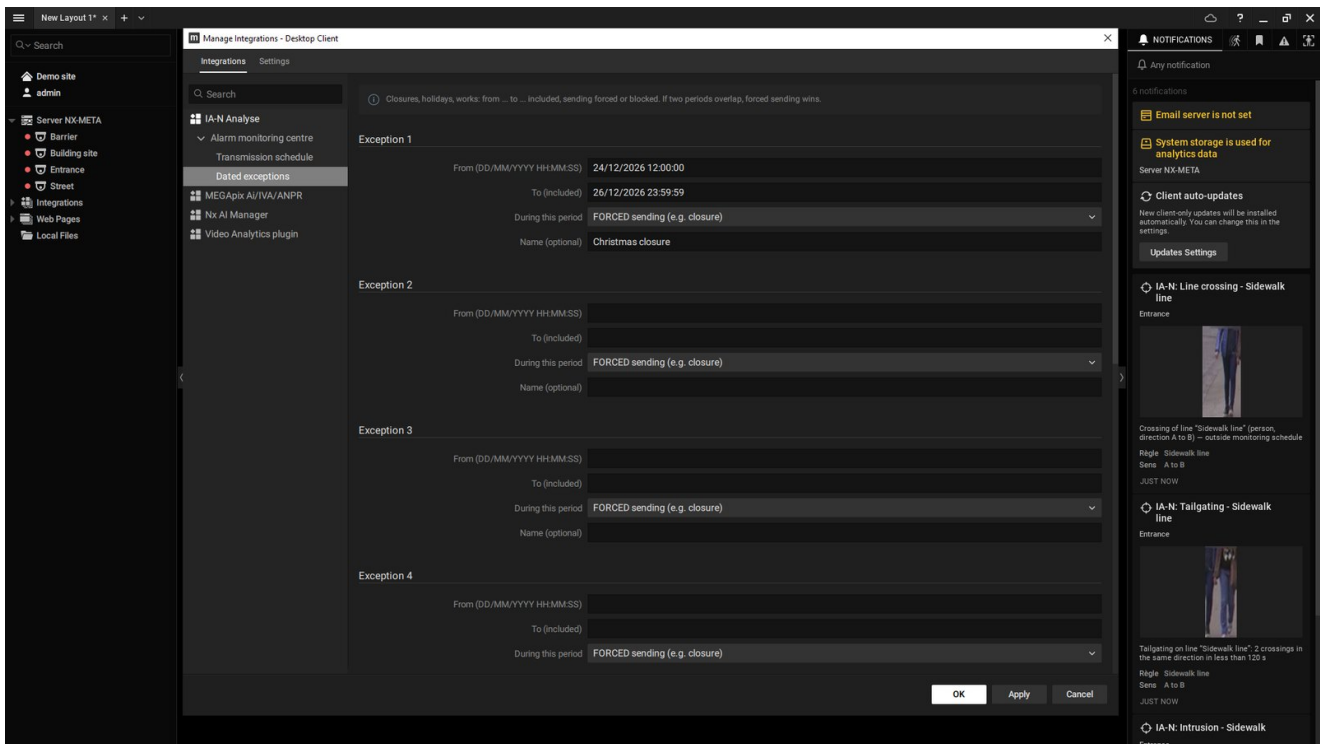
Screenshot 23 — “Send a test to the centre”: the centre’s answer (here the test receiver) is shown.

Transmission schedule

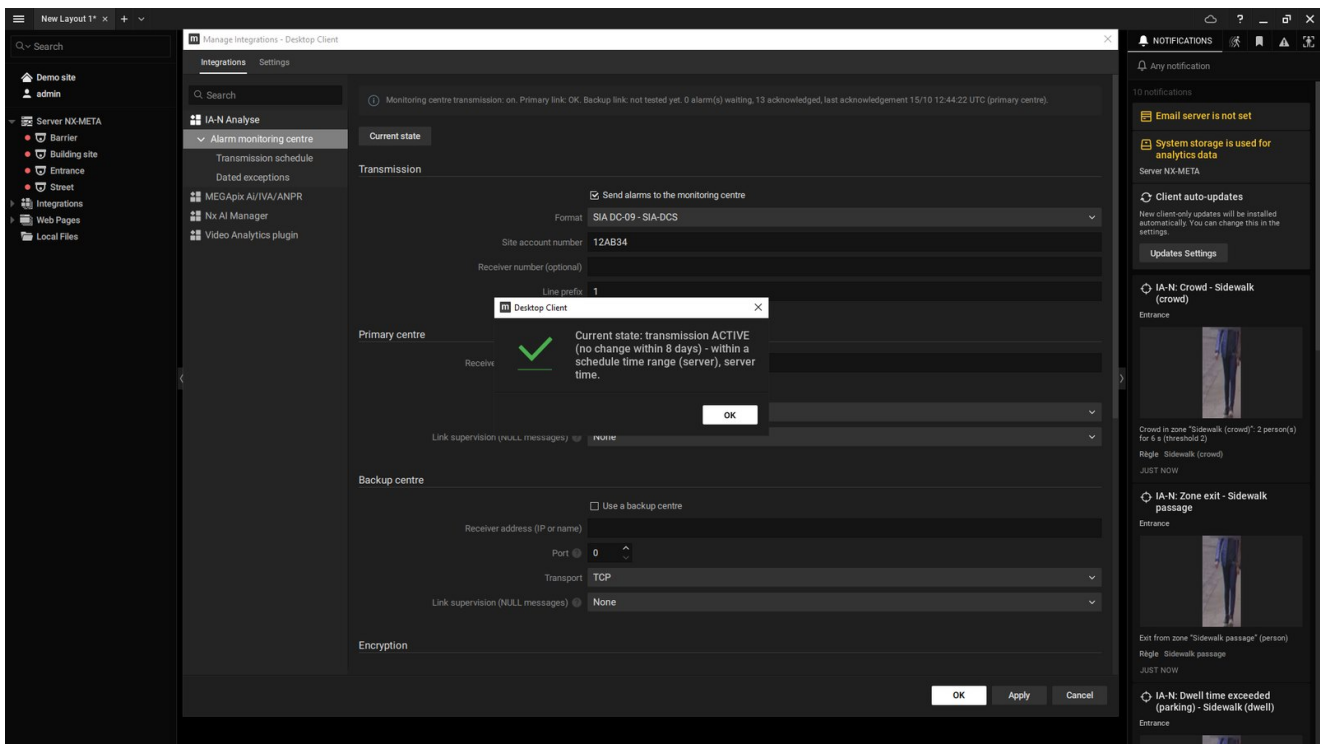
- “Transmission schedule” page: a ready-made schedule (always, at night, nights and weekend, outside office hours) or a custom schedule, written day by day and to the second, for example “mon-fri 20:00:00-06:30:00 ; sat,sun all day”.
- The schedule is applied to the second, start and end included: a range 20:00:00-06:30:00 starts at 20:00:00 sharp and ends at 06:30:00 included, the next day.
- “Dated exceptions” page: from ... to ..., sending FORCED (closure, holidays) or sending BLOCKED (works).
- Outside the schedule, the alarm is NOT sent to the centre: it stays in the VMS (its description ends with “outside monitoring schedule”) and it is written in the plugin log.
- The cyclic test and the link supervision are always sent, even outside the schedule: the centre knows the site is alive.
- No alarm is lost if the centre is cut off: it waits on the server disk, then leaves in order as soon as the centre answers, even after a restart of the VMS server.



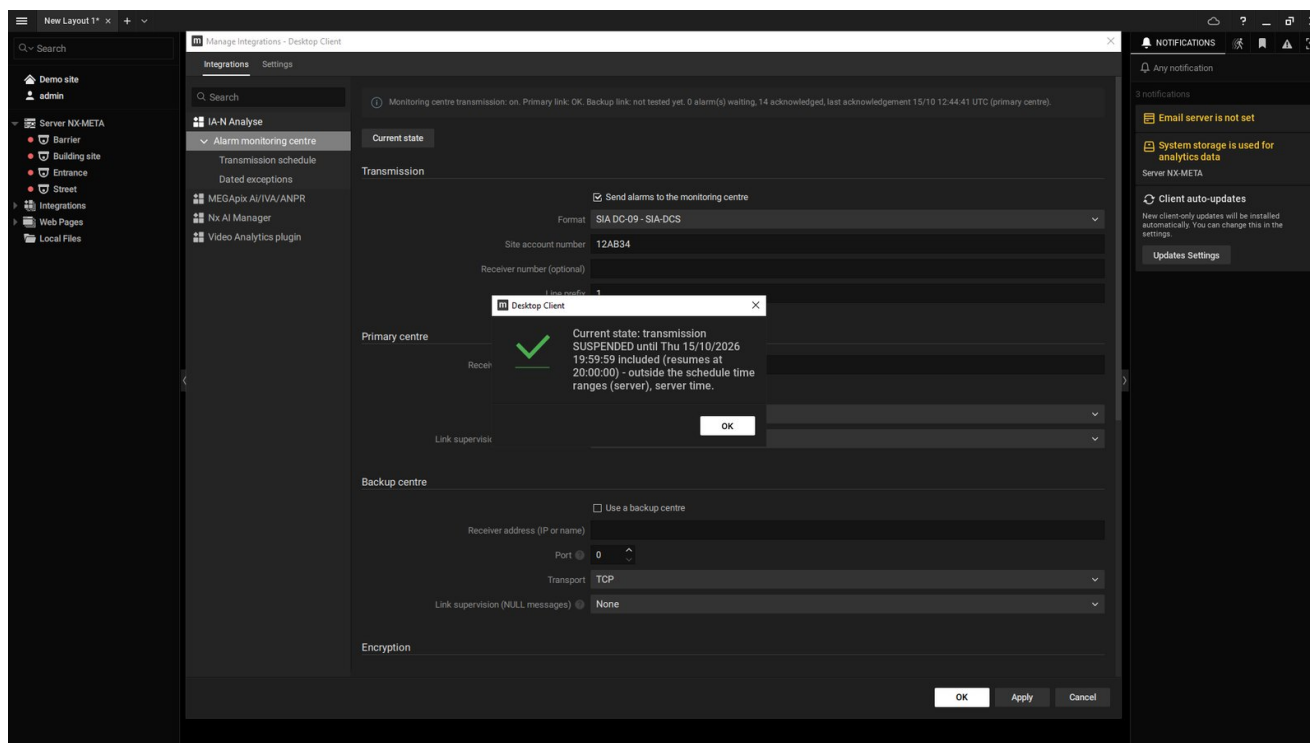
Screenshot 24 — Transmission schedule: example of a night schedule, to the second.



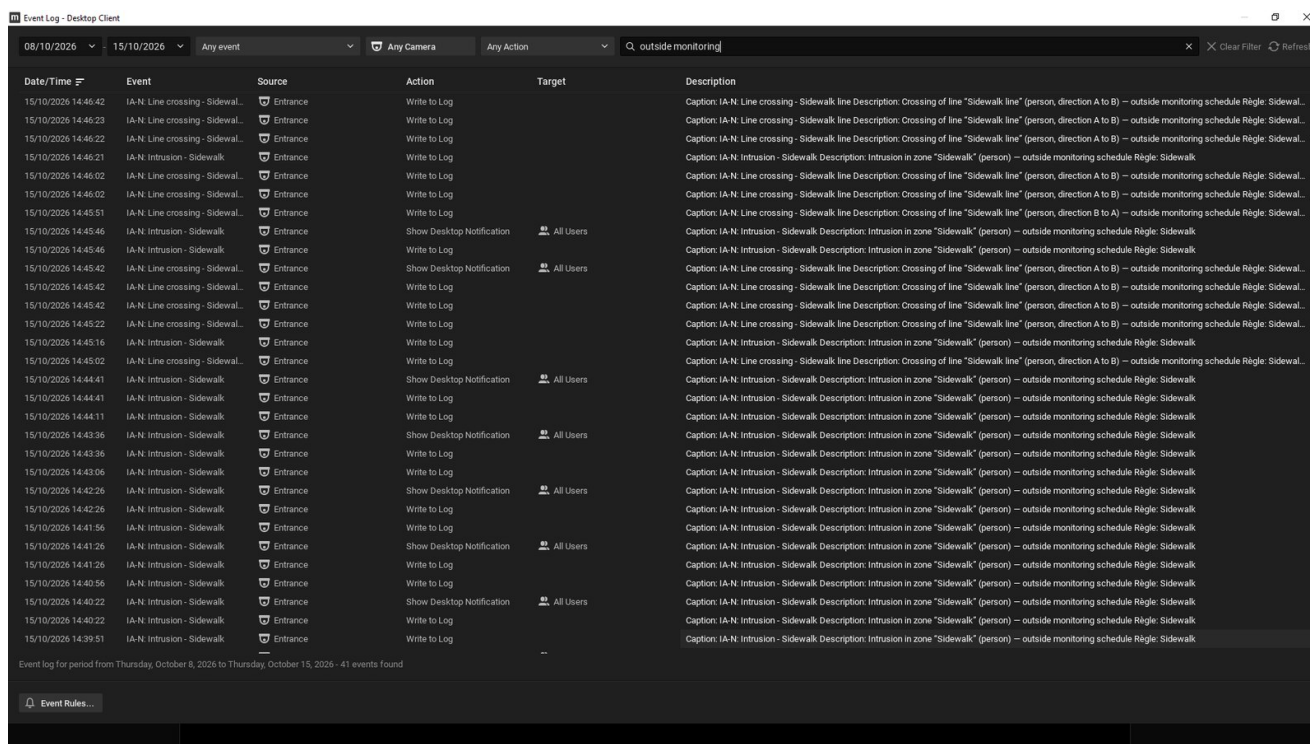
Screenshot 25 — Dated exception: sending forced during a closure.



Screenshot 26 — "Current state": transmission ACTIVE, and until when.



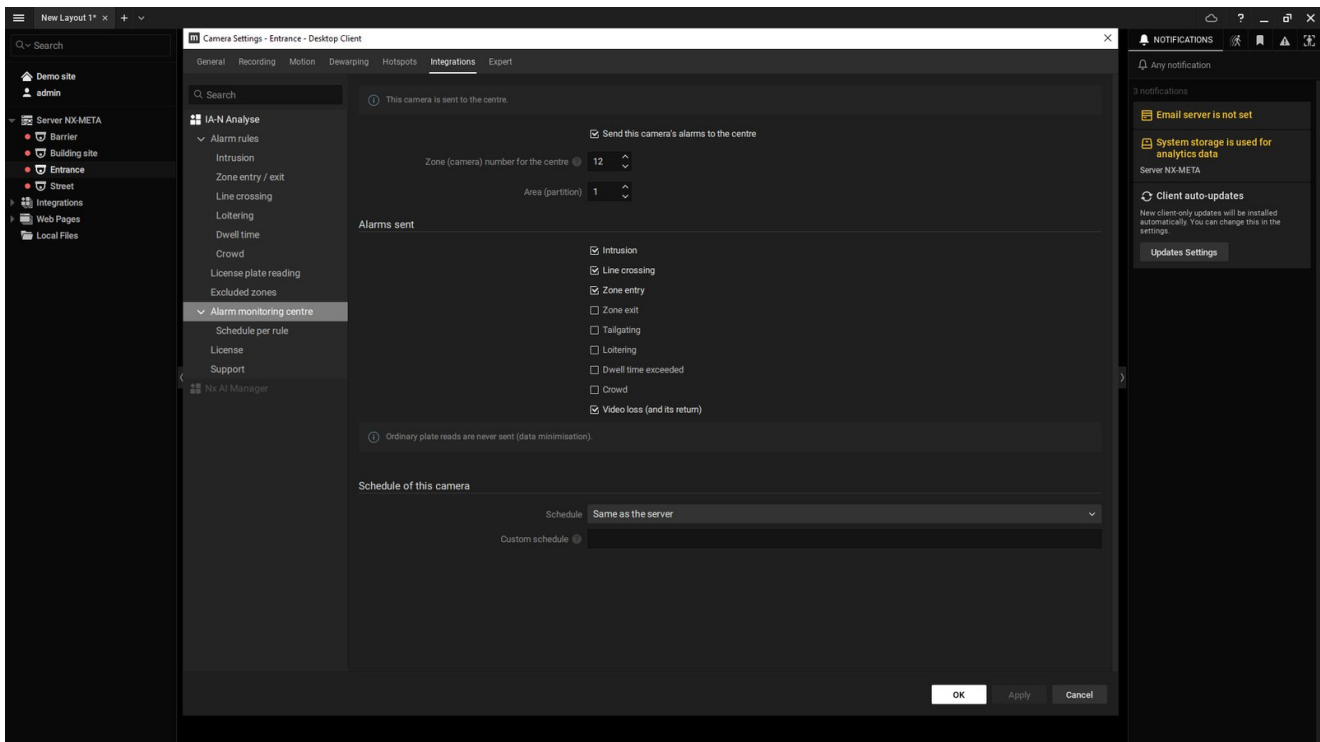
Screenshot 27 — “Current state”: transmission *SUSPENDED* outside the schedule, with the exact restart time.



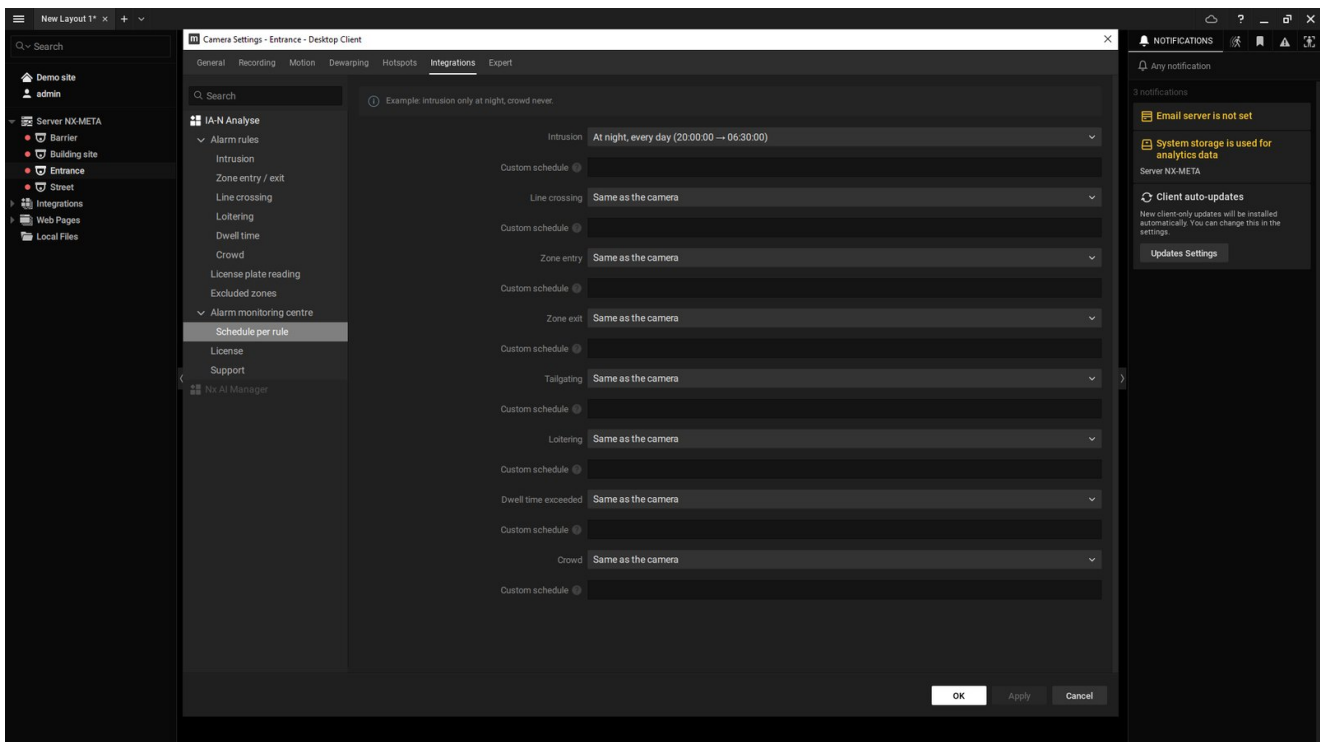
Screenshot 28 — “Event Log”: alarms outside the schedule, kept in the VMS with the mention “outside monitoring schedule”.

Settings of each camera

“Camera Settings” > “Integrations” > “IA-N Analyse” > “Alarm monitoring centre”: send this camera or not, “Zone (camera) number for the centre” (to be agreed with the centre), alarms sent and camera schedule. “Schedule per rule” page: a schedule for each rule, for example intrusion only at night.



Screenshot 29 — “Alarm monitoring centre” page of a camera: transmission, zone number, alarms sent.



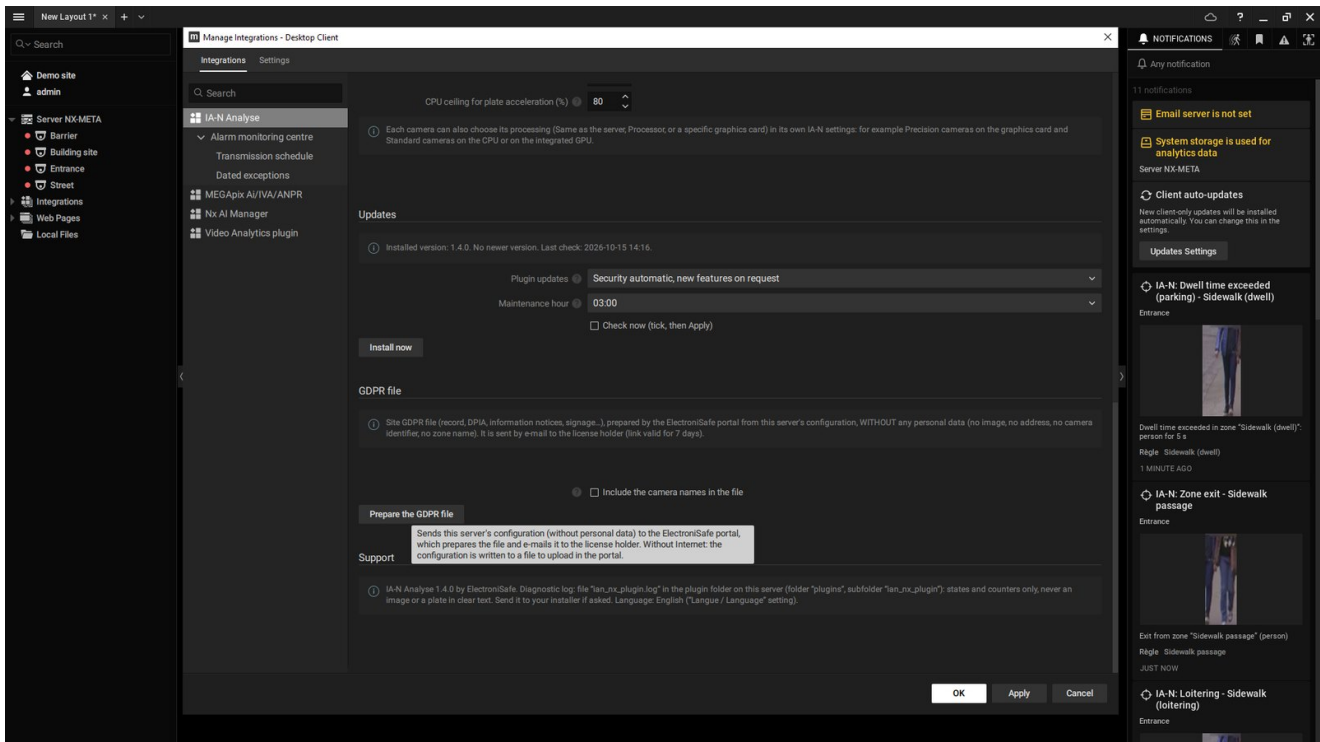
Screenshot 30 — “Schedule per rule”: intrusion only at night.

10 GDPR file

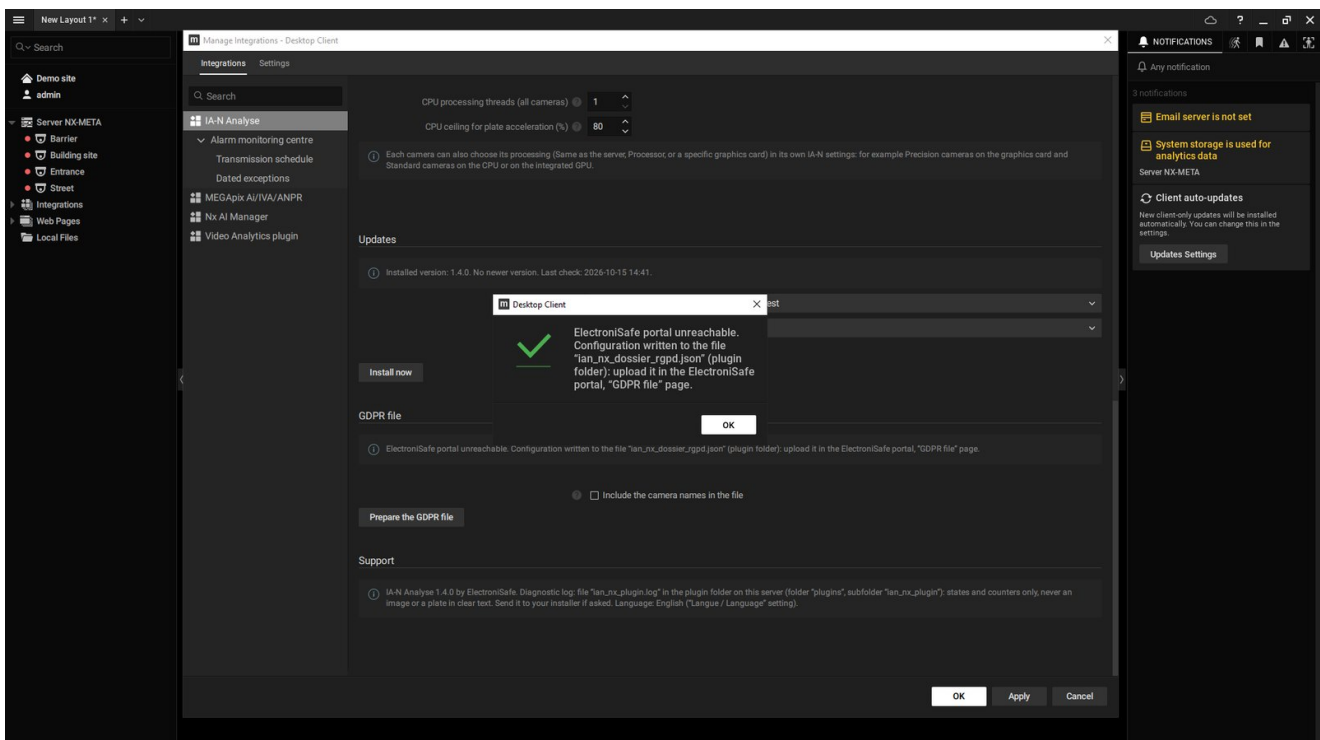
The “GDPR file” frame of the integration page has the ElectroniSafe portal prepare the site GDPR file (record, DPIA, information of people, signs...) from the server configuration, without any personal data: no image, no address, no camera identifier, no zone name.

- “Prepare the GDPR file” button: the configuration goes to the portal, which sends the file by e-mail to the license holder (link valid for 7 days).
- Without Internet: the configuration is written to the file “ian_nx_dossier_rgpd.json” (plugin folder), to be uploaded in the ElectroniSafe portal, “GDPR file” page.

- The “Include the camera names in the file” box is unticked by default: tick it only if the camera names are neutral.



Screenshot 31 — “GDPR file” frame and “Prepare the GDPR file” button.



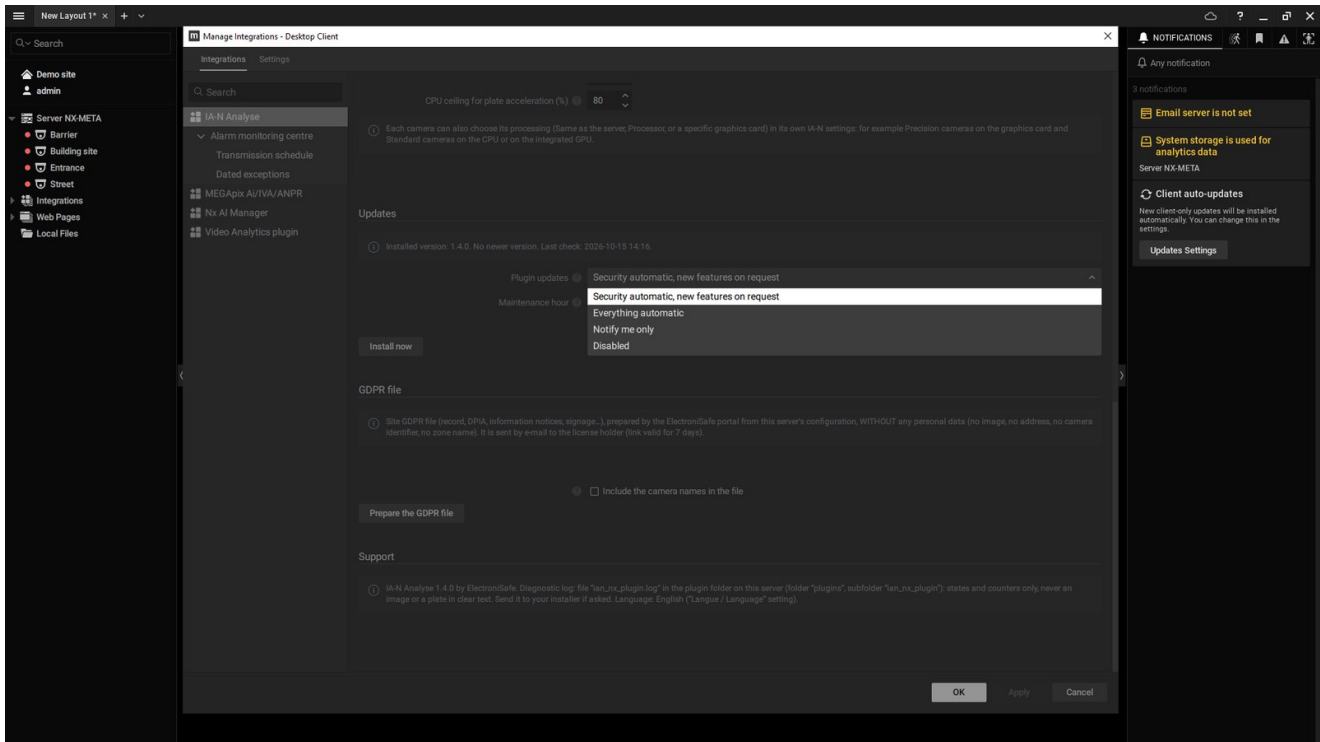
Screenshot 32 — Result without Internet: the configuration is written to a file, to be uploaded in the portal.

11 Updates: security automatic, new features when you want

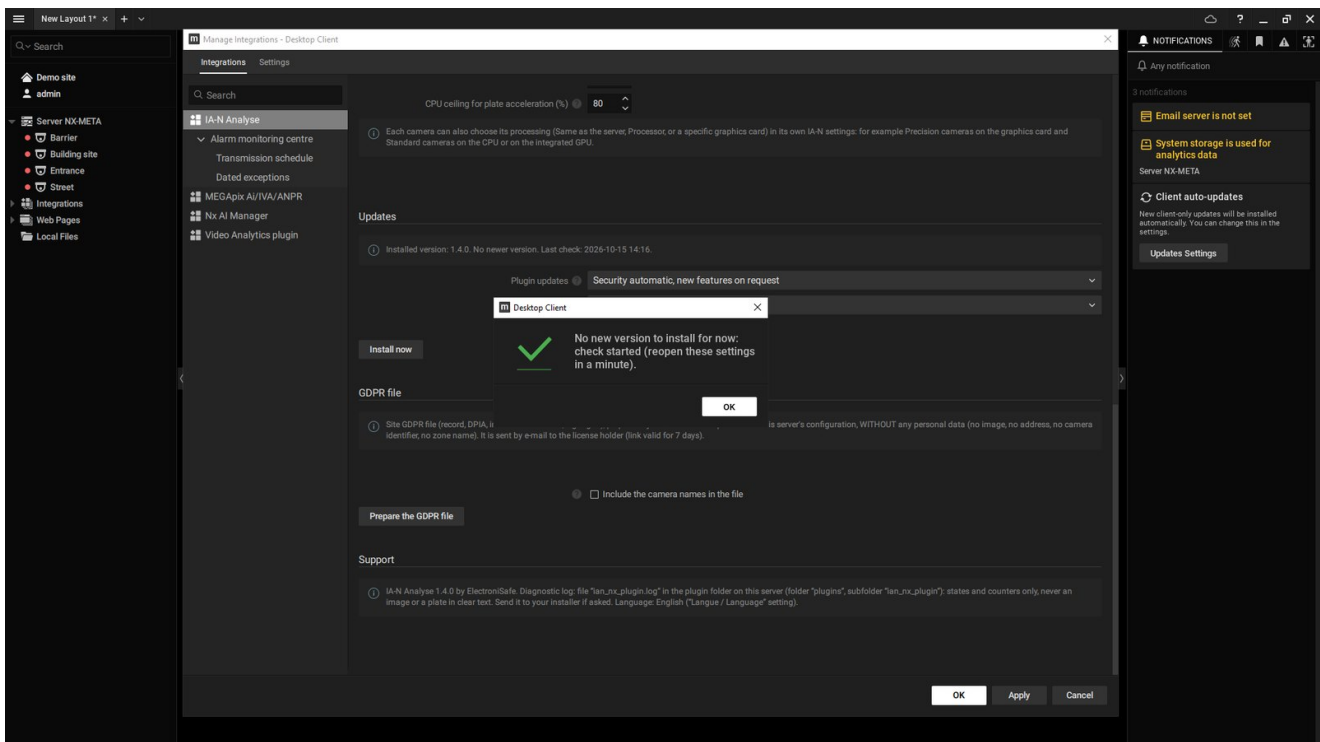
“Updates” frame of the integration page: it shows the installed version and the time of the last check. “Plugin updates” setting: 4 choices.

- “Security automatic, new features on request” (default): a security fix of your version installs by itself; only the VMS service restarts (about 1 minute). A new-features version is not downloaded: the frame announces it (“New version available: ... (new features)”) with the “Install now” button.
- “Everything automatic”: security fixes and new-features versions install by themselves.

- “Notify me only”: the available version is reported; nothing is downloaded or installed.
- “Disabled”: no check.
- “Install now” button: installs the new-features version offered (download, check, then restart of the VMS service only, about 1 minute). When no newer version is published, the plugin answers that there is nothing to install for now; the time of the last check is updated in the frame.
- If a new version does not start correctly, the plugin goes back by itself to the previous version and never takes that version again. A version whose type (security or new features) does not match is refused. In every case, the license is kept.

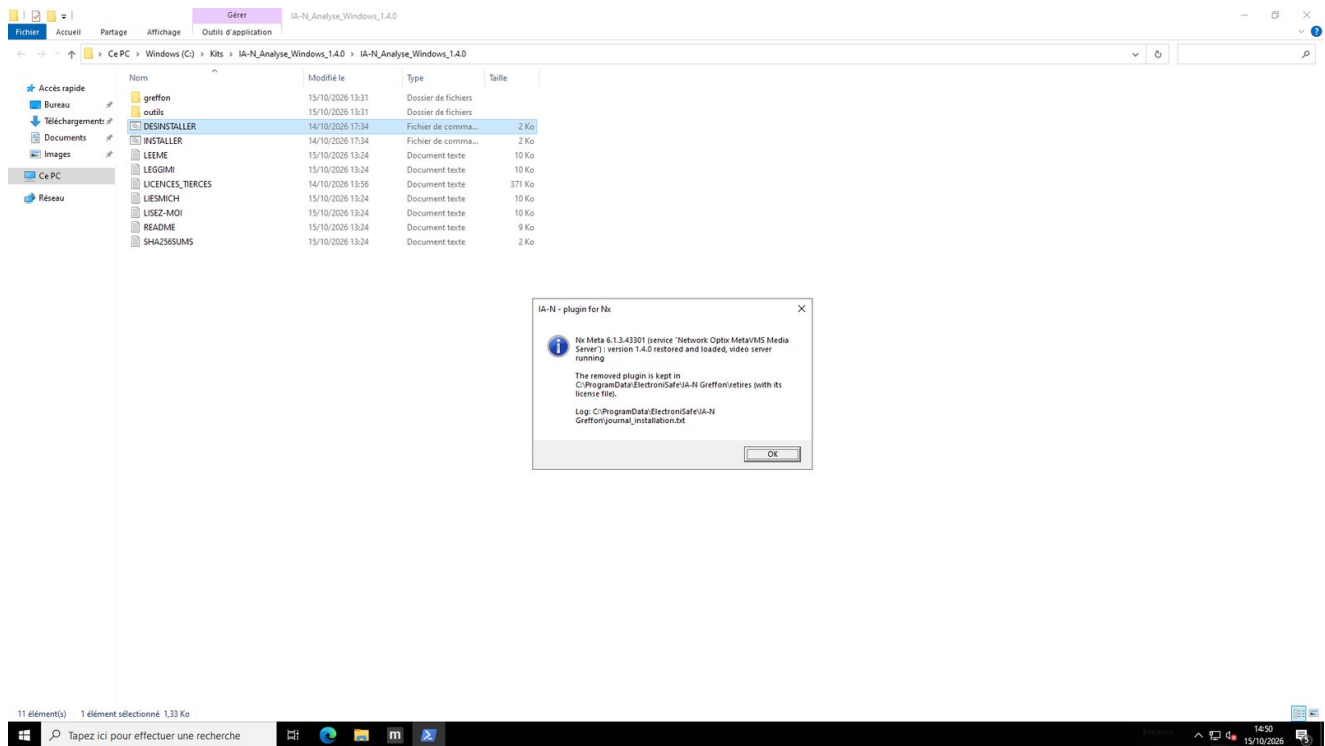


Screenshot 33 — “Plugin updates”: the 4 choices; “Security automatic, new features on request” by default.

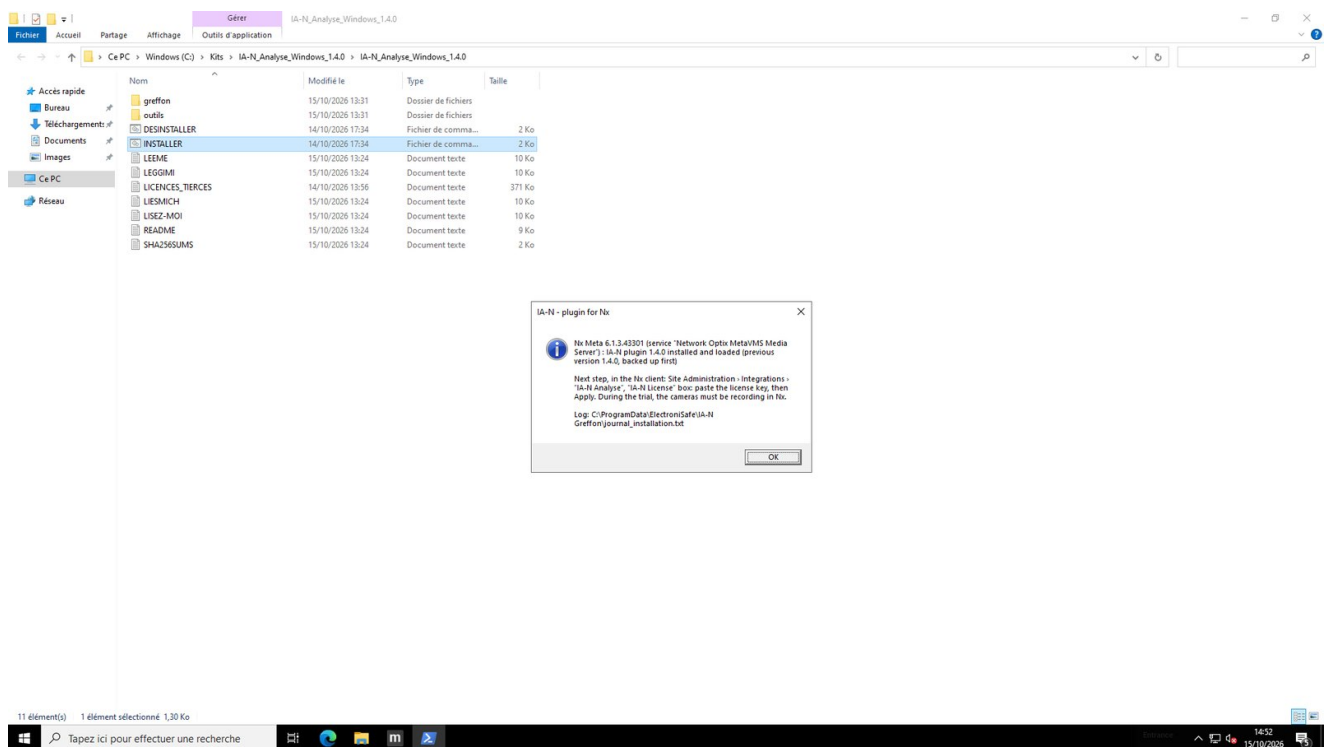


Screenshot 34 — “Install now”: answer of the plugin when no newer version is published.

Rollback: DESINSTALLER.bat of the kit puts back the version saved by the last installation (license, places and language kept). No recording is deleted.



Screenshot 35 — DESINSTALLER.bat: back to the previous version of the plugin.

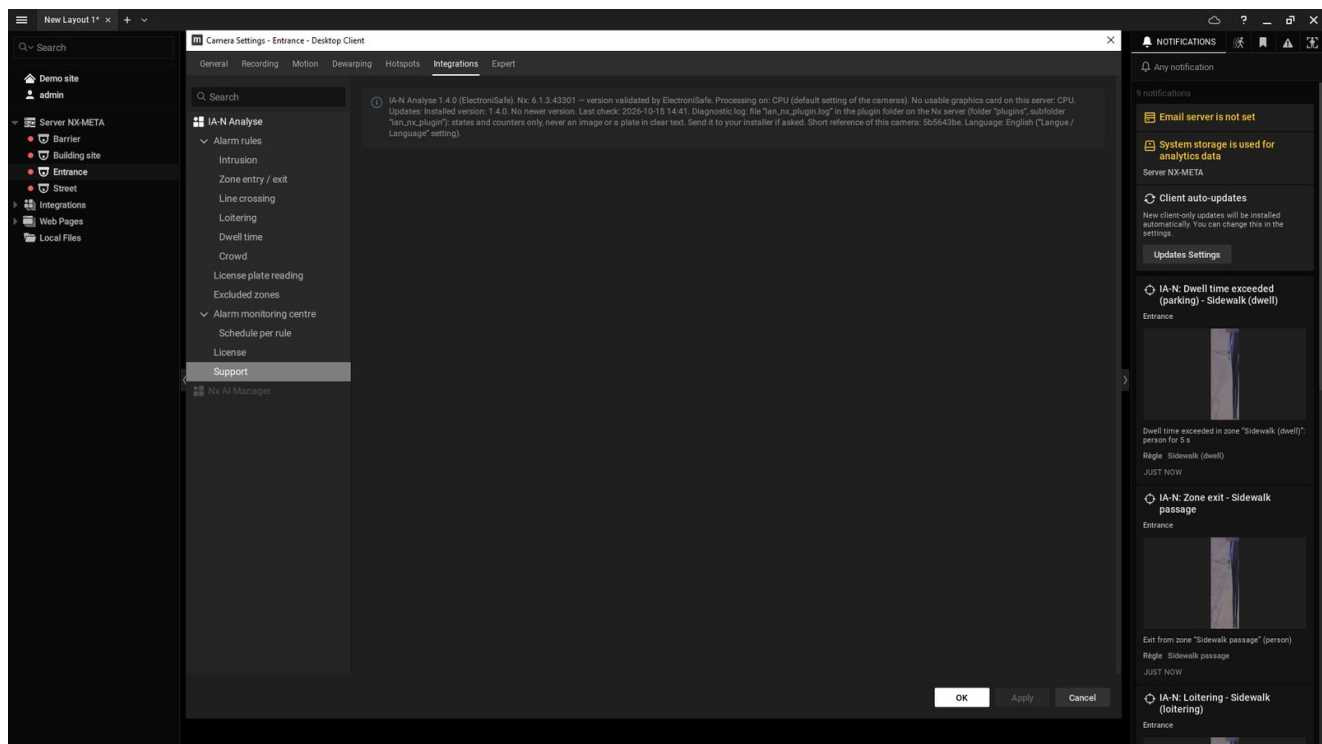


Screenshot 36 — INSTALLER.bat: end of the installation of the IA-N 1.4.0 plugin.

12 Troubleshooting

What you see	What to do
No live boxes	Open the “Objects” tab; check that the camera is recorded and that the object is ticked.
An alarm is not sent	Read the camera banner; check the zone and the ticked objects; leave durations at 0; make a new test pass.
Too many alarms	Reduce the zone, raise the “Confidence threshold”, increase the delay between two alarms.
No alarm for a parked car or a waiting person	Normal: “Ignore stationary objects” is ticked (section 4).
Camera ticked but not analyzed	All places are taken: read “Waiting for a place” (section 7).
The VMS service restarted by itself at night (about 1 minute)	Maintenance hour: a security update was applied (section 9).
Alarm in the event log but no pop-up	Check the VMS event rule (section 2).

For support: the camera “Support” page gives the versions, the processing used, where the plugin log (ian_nx_plugin.log) is, and a short reference of the camera. Also attach journal_installation.txt (C:\ProgramData\ElectrionSafe\IA-N Greffon\)) and a screenshot of the integration banner (key masked). These logs only contain counters, durations and states.



Screenshot 37 — Camera “Support” page: versions, processing, log, short reference to give to support.

13 Contact

ElectrionSafe, support: support@electronisafe.fr · <https://electronisafe.cloud/assistance.html>. IA-N is software designed and developed in France by ElectrionSafe. Nx Witness is a trademark of Network Optix; Wisenet WAVE, of Hanwha Vision; DW Spectrum, of Digital Watchdog.