

Legal Capacity Monitoring for Bars, Clubs & Discos

# Count Every Guest. Prove It to the Inspector.

Since 13 March 2026, every club, bar and disco in Romania must monitor and count its guests permanently with mechanical equipment or an automatic electronic system, and appoint a person responsible for access (Legea 307/2006, art. 19 (1) r<sup>5</sup>, as amended by OUG 17/2026). CapacityIQ does the counting with a ceiling sensor that captures no images, warns the door before the limit and keeps the log the fire inspectorate (ISU) asks for.



WHAT IT DOES

Time-of-flight depth sensing: up to 99.8 % counting accuracy, works at 0 lux, no camera images.

## One Sensor Above the Door. Compliance Every Night.

|                                                                                                                                                                                                         |                                                                                                                                                                                                                             |                                                                                                                                                                                                                      |                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <h3>Live Occupancy</h3> <p>Entries, exits and net occupancy in real time, per entrance and for the whole venue.</p> |  <h3>Capacity Guard</h3> <p>The ISU-authorised maximum is the hard limit. Green, amber, red states; alerts at 85 % and at the limit.</p> |  <h3>Door-Staff View</h3> <p>Tablet or phone at the door: current count, places left, who is the responsible person on shift.</p> |  <h3>Compliance Log</h3> <p>Every count, breach and reset stored on device and in the cloud. One-click export for an ISU control.</p> |
|  <h3>Works in the Dark</h3> <p>Invisible 940 nm light. Strobes, fog and darkness do not affect the count.</p>        |  <h3>No Images, GDPR-Safe</h3> <p>Depth map only. No faces, no video, nothing to sign, nothing to store.</p>                             |  <h3>Multi-Entrance</h3> <p>Up to 8 sensors stitched into one count. Terrace doors included.</p>                                  |  <h3>Staff Excluded</h3> <p>Staff wearing a lanyard are not counted as guests, so capacity is not wasted.</p>                         |

THE OBLIGATION

What the Law Requires From 13 March 2026

13 Mar 2026

In force

OUG 17/2026, Monitorul Oficial I nr. 199;  
art. 19 (1) r<sup>5</sup> applies from publication

5,000–10,000 lei

Fine per breach

art. 45 (1) IV d, Legea 307/2006; fine range  
in force since 12 April 2026

0

Warnings

art. 47 (7): no warning stage for this fine, it  
applies directly

Legea 307/2006, art. 19 (1) lit. r<sup>5</sup>: „să asigure respectarea capacității de utilizatori prin **monitorizarea și contorizarea permanentă** a acestora prin intermediul unor echipamente mecanice sau **sisteme electronice automate**, amplasate astfel încât să se respecte gabaritul căilor de evacuare, și prin **desemnarea uneia sau mai multor persoane responsabile** de accesul utilizatorilor, **pentru cluburi, baruri și discoteci**, pentru construcțiile care se încadrează în categoria sălilor aglomerate definite potrivit reglementărilor tehnice specifice, precum și pentru stadioane unde se organizează spectacole sau festivaluri cu public numeros”

Applies to all clubs, bars and discos regardless of size; to „săli aglomerate” (200 persons or more at 4 m<sup>2</sup> per person or less, P118/1-2025); and to stadiums.

| Requirement in the Law                                                                      | How CapacityIQ Meets It                                                                                                                                     |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respect the authorised maximum number of users                                              | Live occupancy counter with the venue's ISU-authorised capacity set as the hard limit; changes to the limit are logged with who and when.                   |
| Permanent monitoring and counting by mechanical equipment or an automatic electronic system | Time-of-flight sensor counts bi-directionally 24/7 with up to 99.8 % accuracy; local storage of one million records keeps counting through network outages. |
| Equipment must not narrow the escape routes                                                 | Ceiling-mounted above the door, 200 × 85 × 35 mm. No gates, turnstiles or floor hardware.                                                                   |
| One or more persons responsible for access                                                  | Door-staff view with count, places left and colour state; the responsible person signs on per shift and is recorded in the log.                             |
| Evidence for an ISU inspection                                                              | Daily compliance report per venue: occupancy curve, peak, limit breaches, responsible person on duty. Export to PDF or CSV.                                 |

Green · below 85 %

Normal entry.

Amber · 85 to 100 %

Alert to the responsible person and the manager. Slow the door.

Red · at the limit

Stop entry. Optional relay to a door light or sign. Breach logged if exceeded.

WHY TIME-OF-FLIGHT

Built for Club Conditions, Not Adapted From CCTV

CapacityIQ time-of-flight sensor

✓ Works at 0 lux; strobes and fog do not matter

✓ Depth map only, no images captured or stored

✓ Up to 99.8 % bi-directional accuracy, U-turn filtering

✓ One PoE cable, ceiling above the door, no calibration

✓ Counting log on the device itself, shown to the inspector

Counting on existing CCTV

! Accuracy drops in low light and with lighting effects

! Images of guests: DPIA, signage, retention rules

! Accuracy depends on camera angle; side-by-side entries are missed

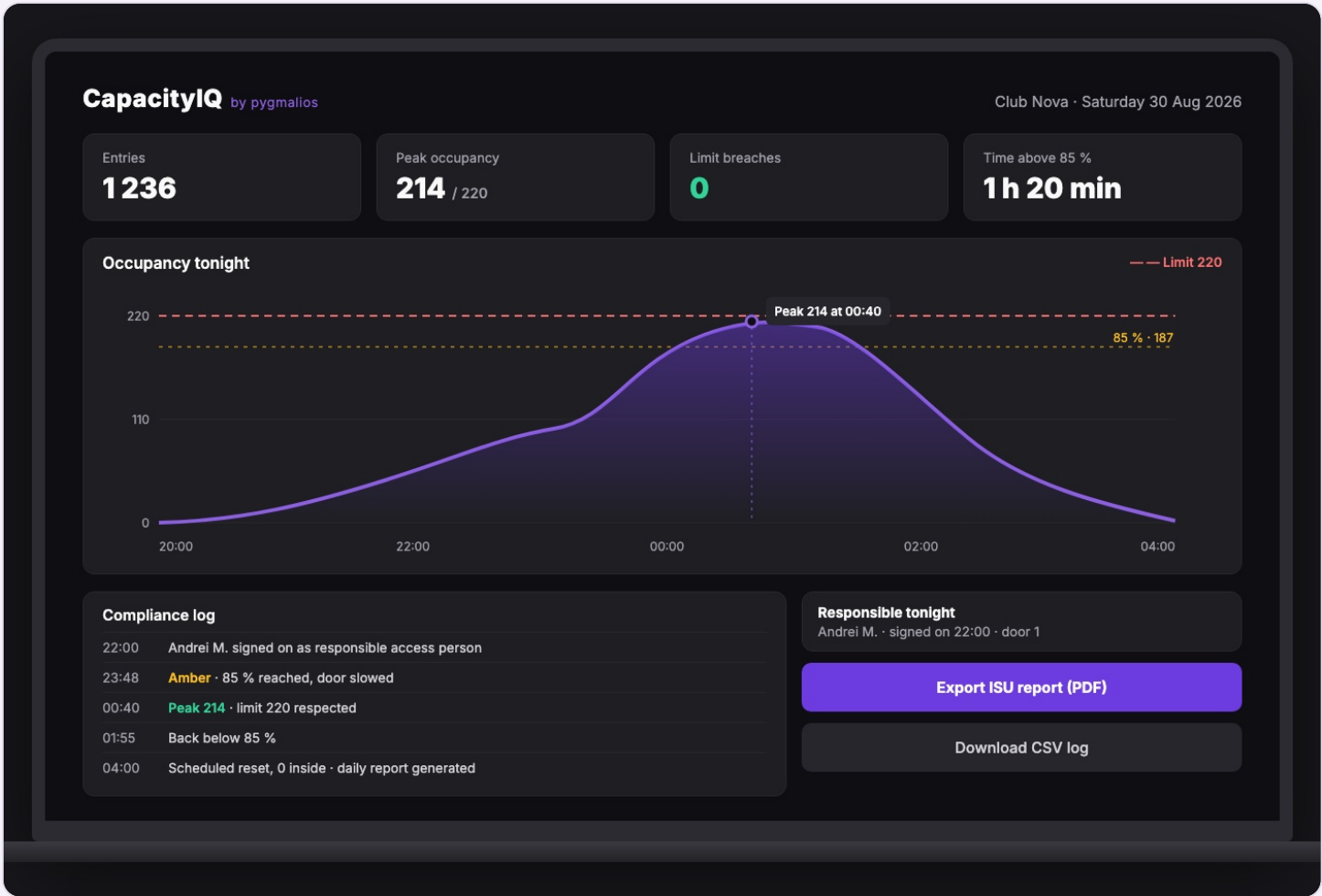
! Cameras rarely look straight down at the door

! Hard to prove counting accuracy during a control

THE APPLICATION

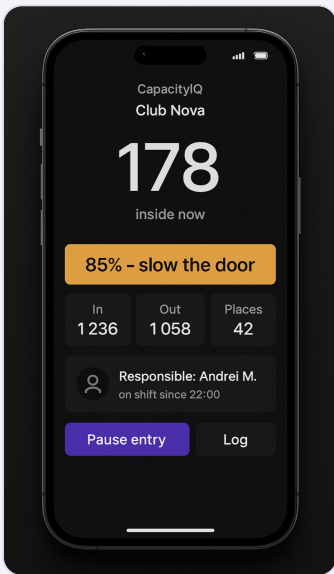
What the Manager Sees the Morning After

Every night is one report: the occupancy curve against the authorised limit, the peak, the time spent above 85 %, the responsible person on duty and every alert, in the order it happened.



AT THE DOOR

What the Responsible Person Sees All Night



One number, one colour

Guests inside now, places left, and a green, amber or red state. Readable at arm's length in a dark doorway, on any phone or a wall tablet.

Amber at 85 %, red at the limit

The door slows before the limit, not after. Alerts also go by SMS or push to the manager, and optionally to a door light through the sensor's alarm output.

Signed-on responsible person

The law requires a named person responsible for access. The app records who signed on, when, and at which door, and puts it in the report.

Pause entry and log

One tap pauses entry and stamps the log. Reopening is logged too. Nothing is edited by hand, so the record holds up in a control.

Multiple doors, one count

Every door counts into the same venue total. Door staff at each entrance see the same number.

SENSOR SPECIFICATION

Time-of-Flight People Counter, Two Mounting Variants

| PARAMETER              | STANDARD                                                   | HIGH CEILING               |
|------------------------|------------------------------------------------------------|----------------------------|
| Technology             | 2nd-generation time-of-flight + AI, 940 nm invisible light | same                       |
| Installation height    | ≤ 3.5 m                                                    | 2 to 6.5 m                 |
| Counting area          | 4.14 × 3.02 m at 3.5 m                                     | 5.54 × 3.98 m at 6.5 m     |
| Counting accuracy      | up to 99.8 %                                               | up to 99.8 %               |
| Counting lines         | up to 4, bi-directional, U-turn filtering                  | same                       |
| Zones and dwell time   | up to 4 zones                                              | same                       |
| Staff detection        | lanyard                                                    | lanyard                    |
| Children / adults      | yes                                                        | yes                        |
| Multi-sensor stitching | up to 8 sensors (PoE)                                      | up to 8 sensors (PoE)      |
| Connectivity           | Ethernet PoE; LTE and LoRaWAN variants                     | same                       |
| Protocols              | HTTP(S), MQTT(S), CGI, BACnet/IP, 802.1x                   | same                       |
| Alarm output           | 1 in / 1 out (PoE version)                                 | 1 in / 1 out (PoE version) |
| Local storage          | 1 million records, CSV export, retransmission              | same                       |
| Power                  | PoE+ (802.3at) or 12 V DC, avg 8 W                         | PoE+ or 12 V DC, avg 10 W  |
| Environment            | -20 to 50 °C, IP40                                         | -20 to 50 °C, IP40         |
| Size, weight, colour   | 200 × 35 × 85 mm, 419 g, white or black                    | same                       |
| Certification          | CE, GDPR                                                   | CE, GDPR                   |

Manufacturer's stated specifications, 2026. Counting area is the detection area, not the visible area.

TYPICAL CONFIGURATIONS

From a Single Door to a Concert Hall

| VENUE                                | DOOR WIDTH       | SENSORS                     | NOTES                        |
|--------------------------------------|------------------|-----------------------------|------------------------------|
| Bar, one door, ceiling ≤ 3.5 m       | ≤ 2.5 m          | 1 × standard                | Entry level                  |
| Club, main entrance, ceiling ≤ 3.5 m | ≤ 4 m            | 1 × standard                | Alarm output to a door light |
| Club, wide or high entrance          | 4 to 8 m         | 2 × standard, stitched      | One combined count           |
| Multi-entrance venue with terrace    | any              | 1 sensor per door, stitched | Terrace door counted too     |
| Hall, ceiling 4 to 6.5 m             | ≤ 3 m per sensor | high ceiling                | Concert venues, event halls  |

HOW IT GOES

From the Law to the First Compliant Night

YOU ARE HERE

1

**The obligation**  
Count guests since 13 March 2026. Fine up to 10,000 lei.  
**now**

2

**Get in touch**  
sales@pygmalios.com or our partner in Romania.  
**2 min**

3

**Venue assessment**  
Floor plan, a photo of each door, your authorised capacity.  
**10 min**

4

**Design and quote**  
Sensors, placement, one fixed price.  
**2 business days**

5

**Installation**  
One cable above each door. Nothing on the escape route.  
**under 2 h per door**

6

**Test night**  
Count checked, alerts set, door staff onboarded.  
**1 night**

7

**Go live**  
Your first compliant night.  
**same night**

✓

**Done. Run your business.**  
A report every night, one click for a control.  

Plus insights: when your nights peak and what an event brings.

**12 minutes** of your time before the quote, **2 business days** to a fixed price, **one afternoon** from installation to the first compliant night.

**Ready to start? Send us three things.**  
sales@pygmalios.com · You get a fixed quote within two business days.

1

A floor plan of the venue. A sketch or the plan from your ISU file is enough.

2

A photo of each entrance from inside, showing the door and the ceiling above it.

3

Your authorised capacity, as it appears on the ISU permit.

INDICATIVE PRICING

Less Than One Fine in the First Year

| ITEM                                                               | ONE-OFF | MONTHLY        |
|--------------------------------------------------------------------|---------|----------------|
| Sensor, standard, installed and configured                         | 690 €   | –              |
| Sensor, high ceiling, installed and configured                     | 790 €   | –              |
| Additional stitched sensor                                         | 590 €   | –              |
| CapacityIQ software: live counter, alerts, compliance log, reports | –       | 29 € per venue |
| Each further venue of the same company                             | –       | 19 € per venue |
| Door display tablet (optional)                                     | 190 €   | –              |
| Staff lanyards, set of 8                                           | 25 €    | –              |

A one-door bar: 690 € + 12 × 29 € = 1,038 € in the first year, about 5,450 lei, within the range of a single fine. Prices excl. VAT, indicative, valid for quotes issued until 31 December 2026.

DELIVERY

What You Get

**HARDWARE**

**Sensor, bracket, PoE injector**

Time-of-flight sensor, white or black, mounting bracket, PoE injector if the venue has no PoE switch.

**SOFTWARE**

**Cloud account, door view, dashboard**

Venue capacity set from the ISU permit, door-staff view, manager dashboard, alerts by screen, sound, SMS or push.

**COMPLIANCE**

**Log and export**

Daily compliance report, shift record of the responsible person, PDF and CSV export for an ISU control.

**SERVICE**

**Installation, test night, support**

Installation or remote-assisted self-install, a test night with the count verified, 15-minute onboarding of the responsible person, support on business days, updates included.

INCLUDED: TRAFFIC ANALYTICS

The Same Sensor Runs the Business, Not Only the Door

Every CapacityIQ subscription includes the Pygmalios Traffic Analytics module, the footfall platform used by retail chains and telecom operators across Central Europe.

**Visits and occupancy**

Guests by hour, night and weekday, occupancy curve of every night, peak times and how long they last.

**Conversion with your POS**

Match visits with receipts to get buying units and conversion per night, per event and per bar.

**Events and promotions**

Compare a DJ night, a promotion or a new opening hour against normal nights, weather-adjusted.

**Staffing to demand**

See when the door, the bar and the floor are actually busy, and plan shifts and security to it.

**Reports that explain why**

Regular contextualised reports combine your traffic with weather, local events and market context, delivered as a branded PDF.

**Dashboard, exports, API**

Web dashboard for every venue, CSV exports, REST API and MQTT feed for your own systems, multi-venue comparison for chains.

NEXT STEP

Send us a floor plan, a photo of each entrance and the ISU-authorised capacity of your venues. You get a fixed quote within two business days.

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Legal references: Legea 307/2006 privind apărarea împotriva incendiilor, art. 19 (1) lit. r<sup>5</sup>, art. 45 (1) pct. IV lit. d, art. 47, as amended by OUG 17/2026 (Monitorul Oficial I nr. 199, 13 March 2026); Normativ P118/1-2025, definition 73. The fine range for art. 45 (1) pct. IV applies since 12 April 2026. This document is not legal advice; the venue's obligations are determined by its ISU authorisation. Sensor figures are the manufacturer's stated specifications. An AI tool was used in preparing this document: the legal research and the first draft were produced by an AI assistant; the content, figures and responsibility for the document rest with the author, Milan Novota, Pygmalios.