CROWD COUNTING STATISTIQUES REPORT

JUNE 13-14-15 2025

CAMERA LOCATION

METHODOLOGY

CLASS DÉTECTIONS :

- PEOPLE
- CARS
- BICYCLES
- TRUCKS
- BOATS
- MOTOS

METHODOLOGY

For cameras that only detect people, they are assigned a column chart, with each column representing the number of people detected during that hour.

For cameras that detect vehicles, they are assigned a series of three column charts, each with 24 sections for one day.

METHODOLOGY

These hourly detection charts track **how many people and vehicles are detected in each monitored area** . This provides real-time insights into:

Activity Patterns - Peak hours and quiet periods

Event Flow - How crowds move during race weekend

Capacity Management - Monitoring area occupancy levels

Operational Timing - When to deploy resources and staff

METHODOLOGY

What Each Graph Shows :

Y-Axis: Number of Detections

    Height of bars = How many people/vehicles detected in that hour

    Higher bars = Busier periods requiring more attention

   **Lower bars** = Quieter times, potential for maintenance/restocking

X-Axis: Time Progression

   Date-Hour format (MM-DD HH:00)

    6-hour intervals for clear readability

    Covers entire event period (typically 72+ hours for F1 weekend)

📷 Camera 1 (05c2c656) - CT 01 - Persons
Total: 119,353 detections | Average: 1657.7/h | Peak: 8307 at 06-13 19:12
Avg Confidence: Enter 43.8% | Leave 55.9% | Avg Duration: 4.8s
Active hours: 51/72 (70.8%) | Period: 06-13 00:12 → 06-15 23:12
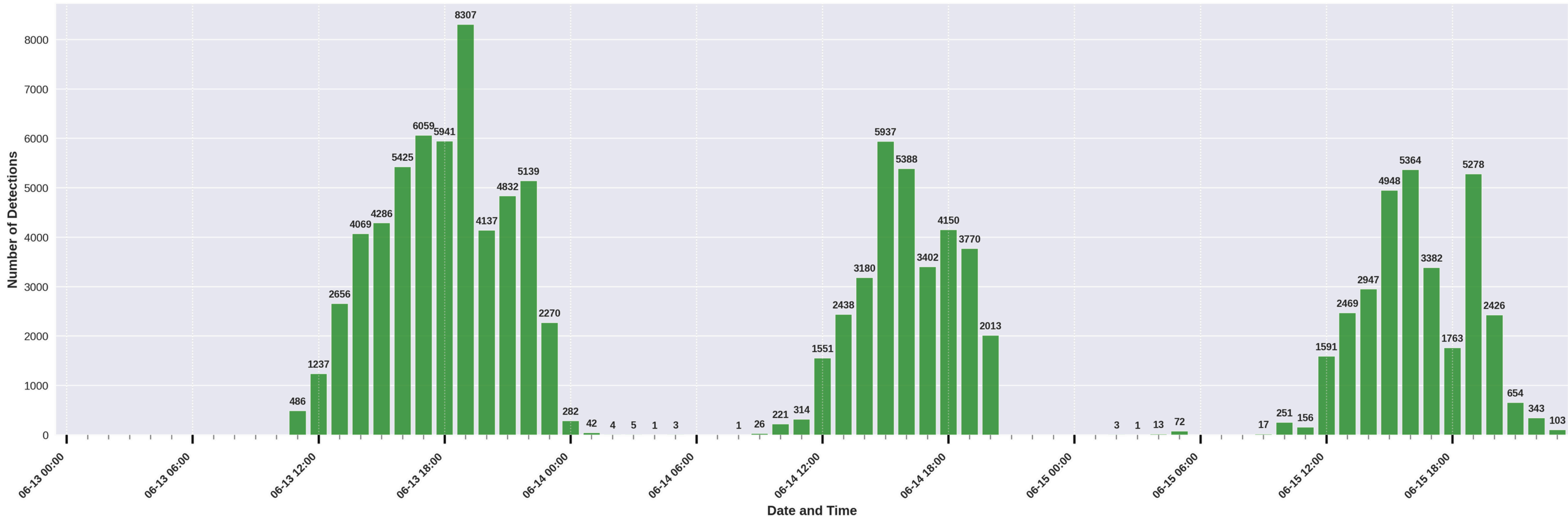
Camera 3 (0b116c11) - Pass Cas - Persons
Total: 27,504 detections | Average: 382.0/h | Peak: 3092 at 06-13 22:12
Avg Confidence: Enter 45.0% | Leave 58.5% | Avg Duration: 6.3s
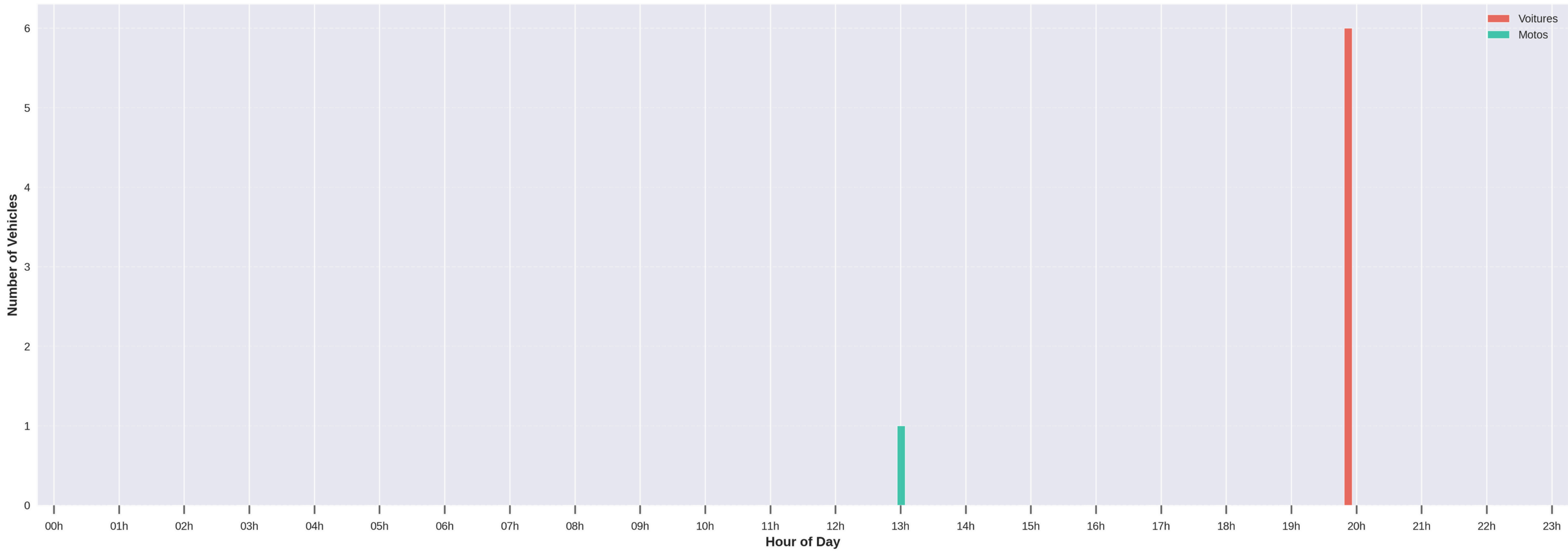Active hours: 55/72 (76.4%) | Period: 06-13 00:12 → 06-15 23:12
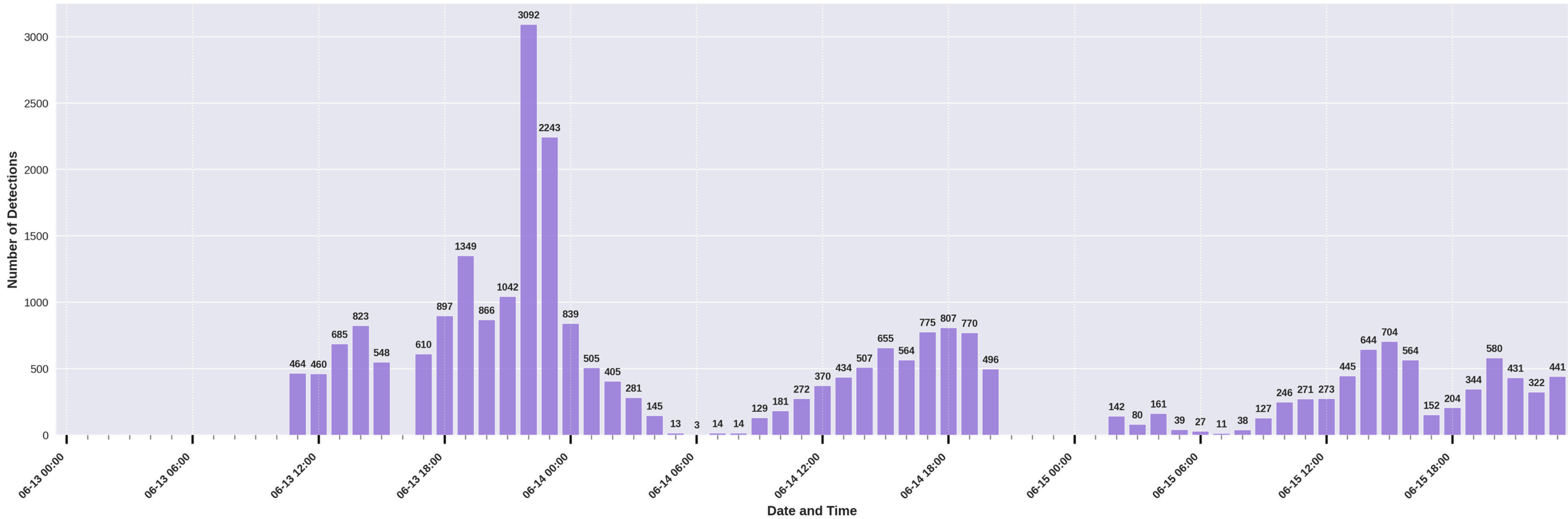
📷 Camera 4 (501de7f0) - Fan Zone - Persons
Total: 67,835 detections | Average: 1413.2/h | Peak: 8462 at 06-13 15:12
Avg Confidence: Enter 17.9% | Leave 20.9% | Avg Duration: 1.4s
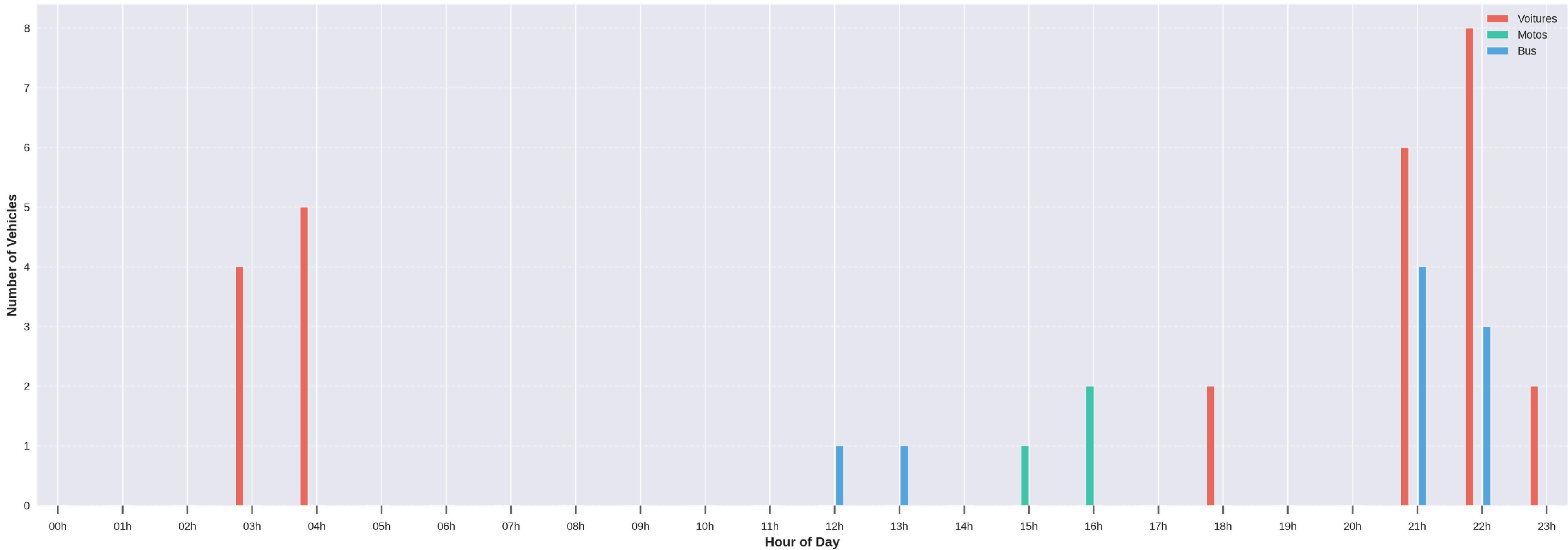Active hours: 13/48 (27.1%) | Period: 06-13 00:12 → 06-14 23:12
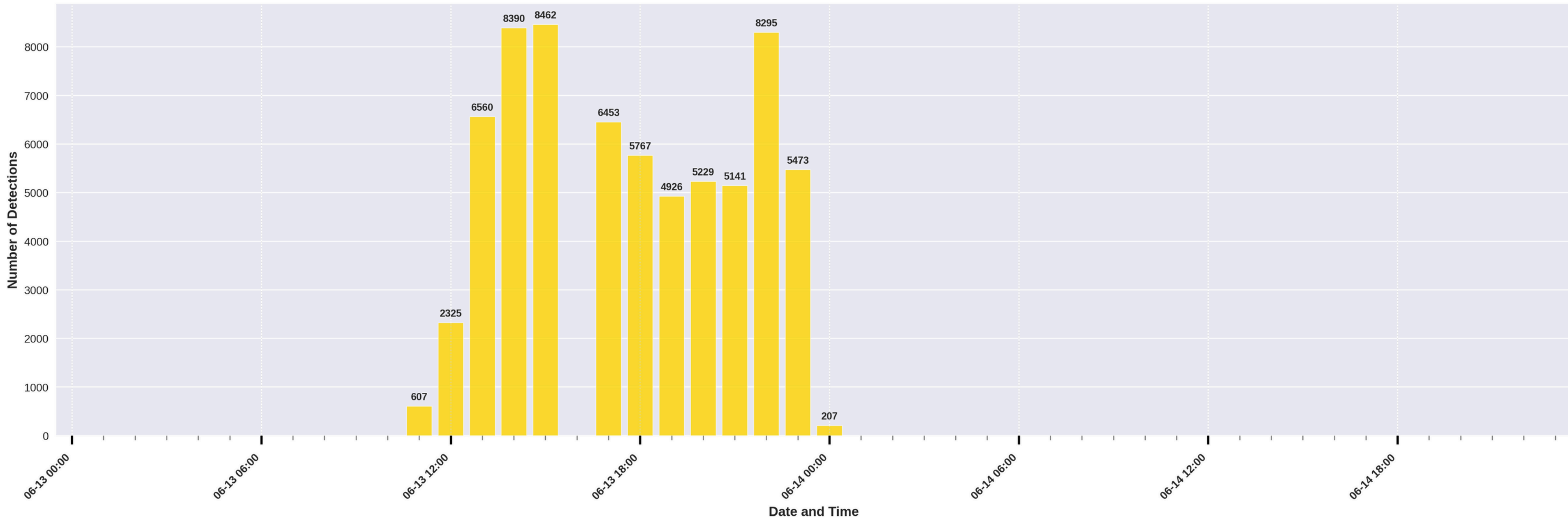
Camera 5 - t11 #2 - Vehicles on 13/06/2025
Total: 7.0 | Peak: 6.0 at 20h | voitures: 6.0 | motos: 1.0

📷 Camera 5 - t11 #2 - Vehicles on 14/06/2025
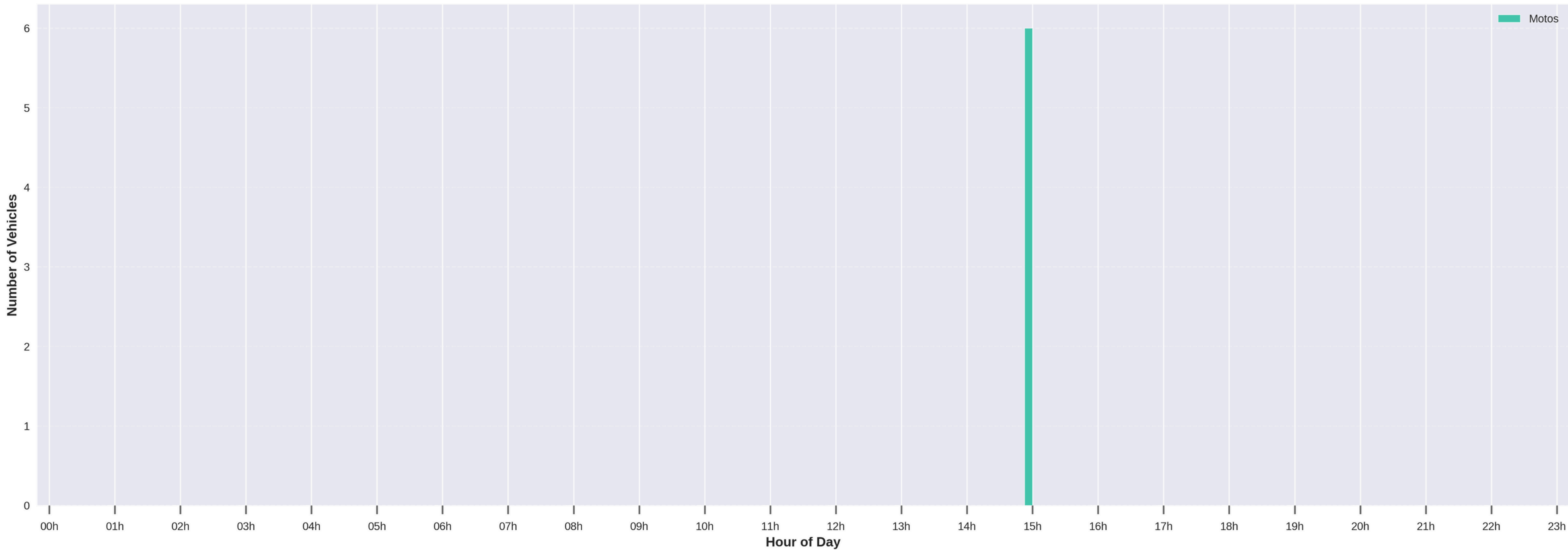Total: 8.0 | Peak: 4.0 at 14h | voitures: 3.0 | motos: 5.0
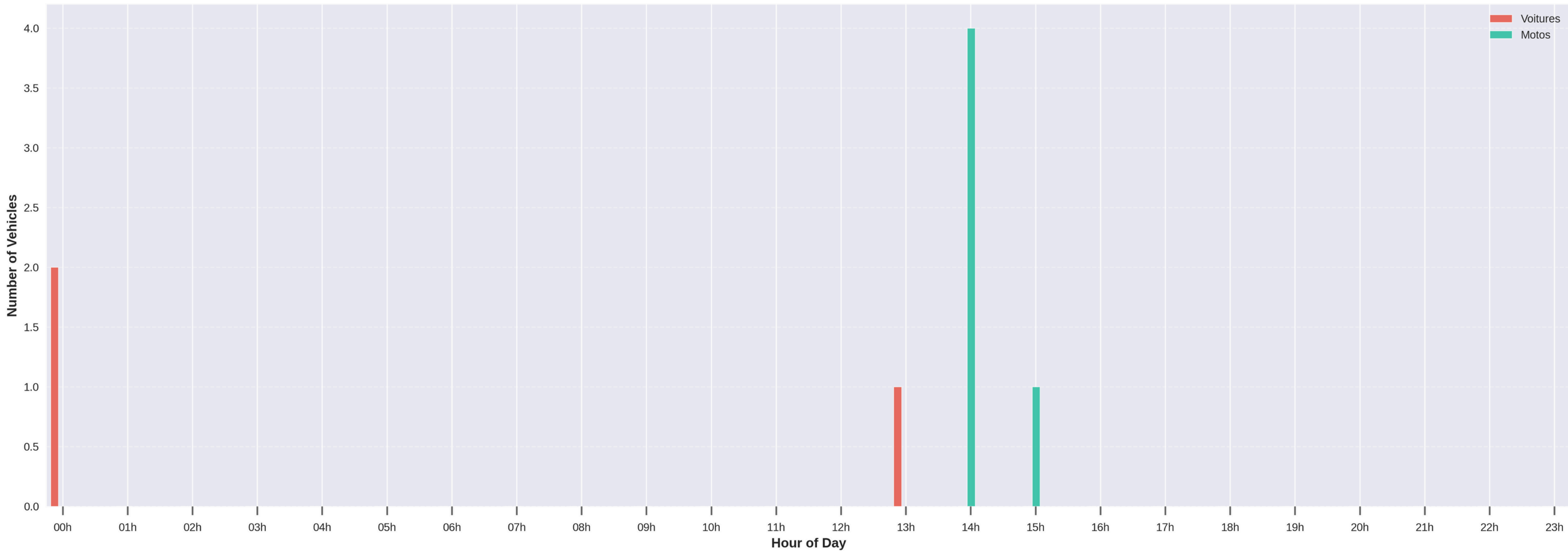
📷 Camera 5 - t11 #2 - Vehicles on 15/06/2025
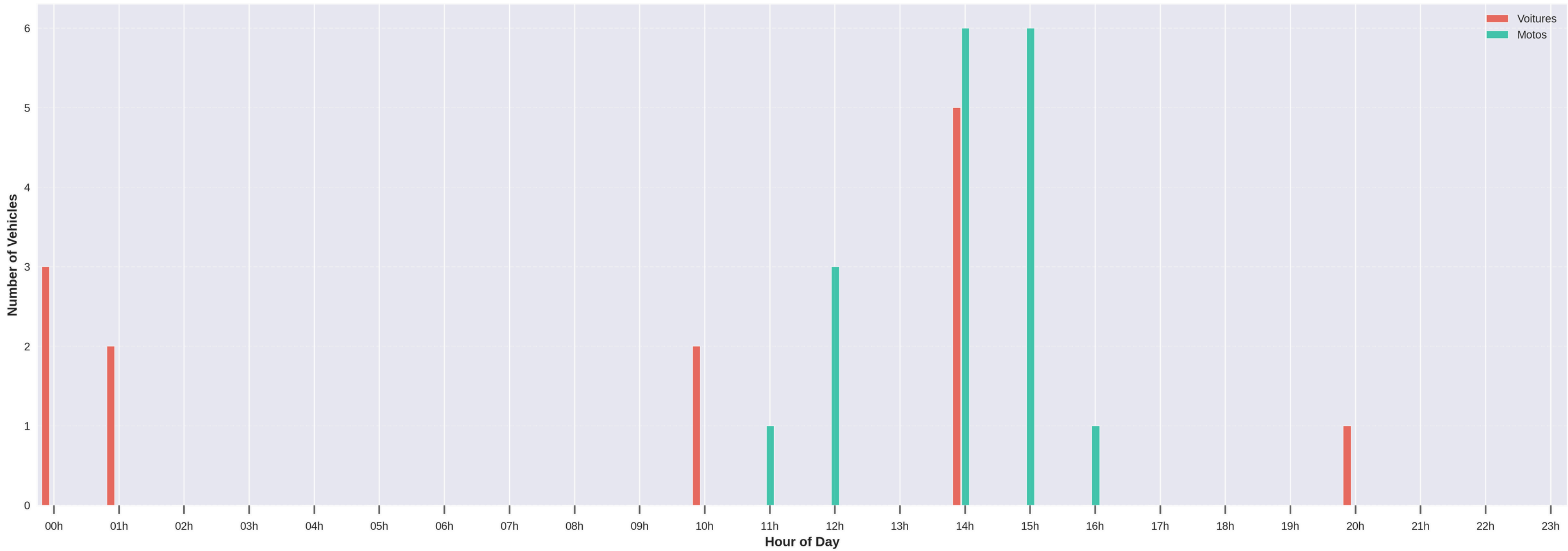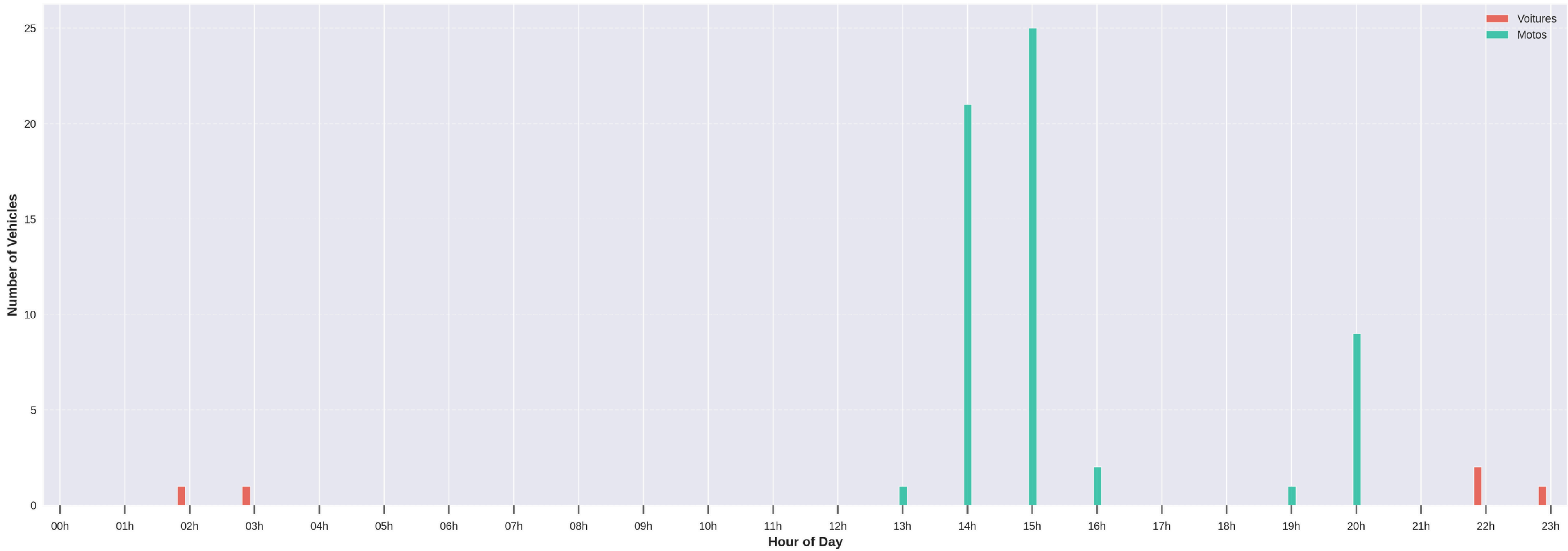Total: 39.0 | Peak: 11.0 at 22h | voitures: 27.0 | motos: 3.0 | bus: 9.0

📷 Camera 7 - t12 #1 - Vehicles on 13/06/2025
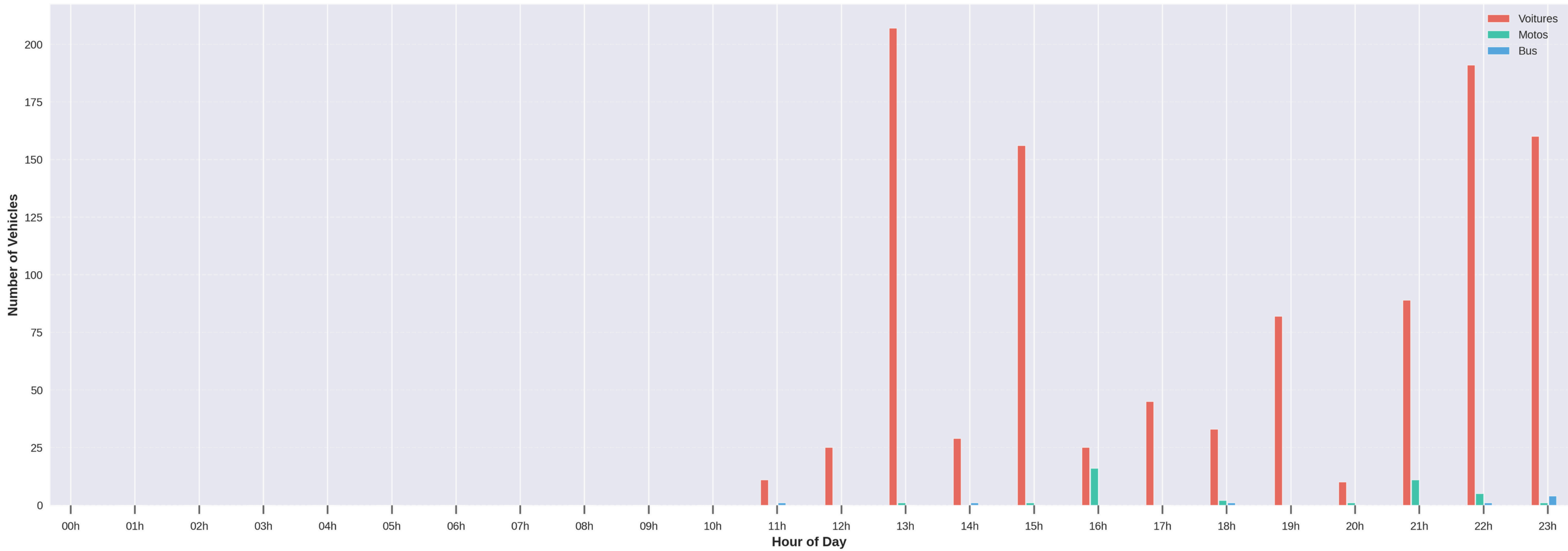Total: 6.0 | Peak: 6.0 at 15h | motos: 6.0

📷 Camera 7 - t12 #1 - Vehicles on 14/06/2025
Total: 30.0 | Peak: 11.0 at 14h | voitures: 13.0 | motos: 17.0

 Camera 7 - t12 #1 - Vehicles on 15/06/2025
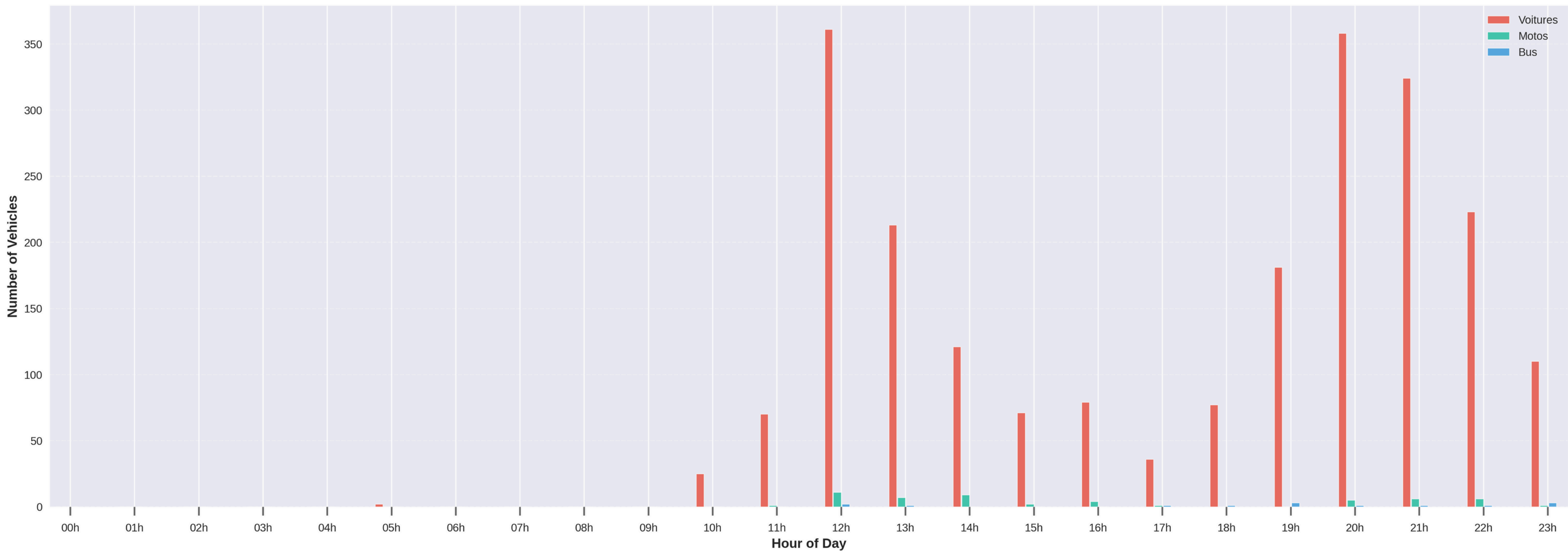Total: 64.0 | Peak: 25.0 at 15h | voitures: 5.0 | motos: 59.0

🎥 Camera 9 - pVictoria1 - Vehicles on 13/06/2025
Total: 1,109.0 | Peak: 208.0 at 13h | voitures: 1063.0 | motos: 38.0 | bus: 8.0
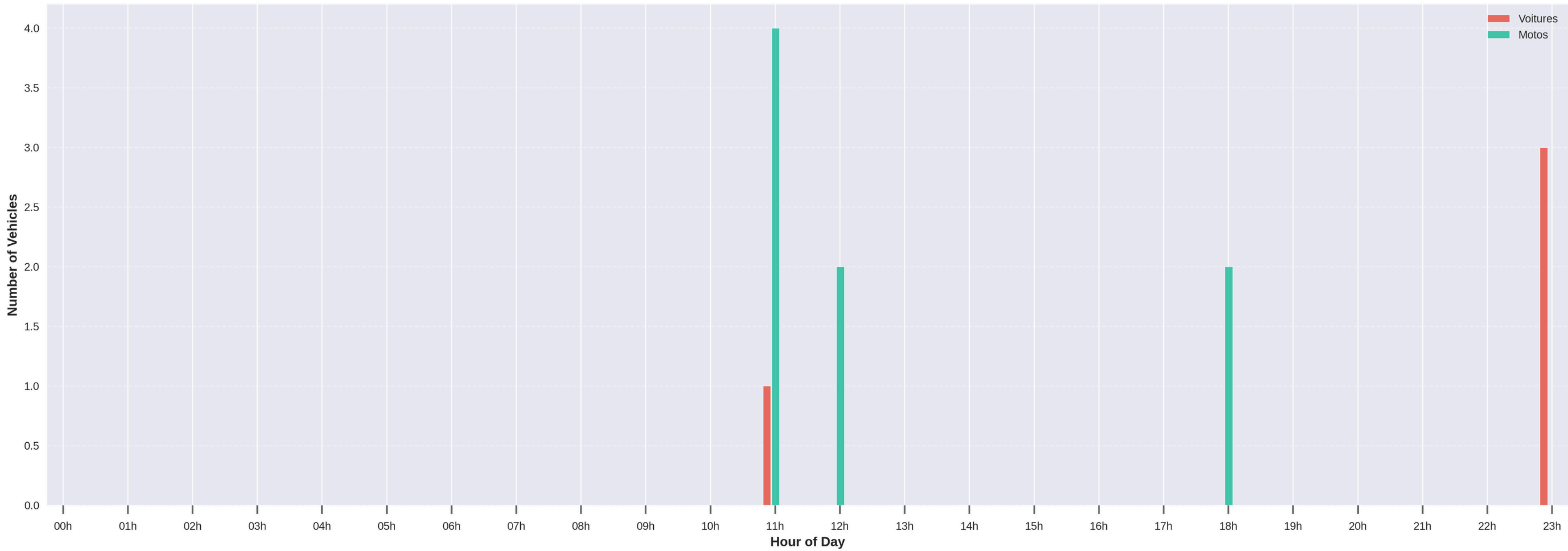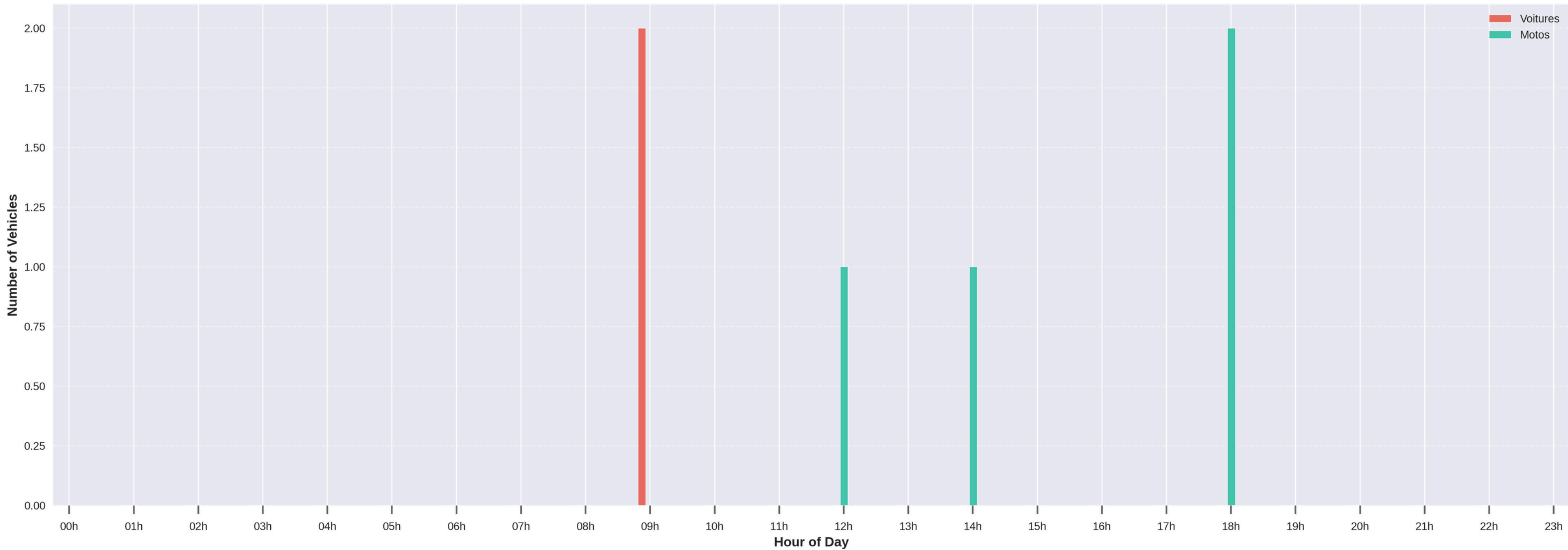
 Camera 9 - pVictoria1 - Vehicles on 15/06/2025
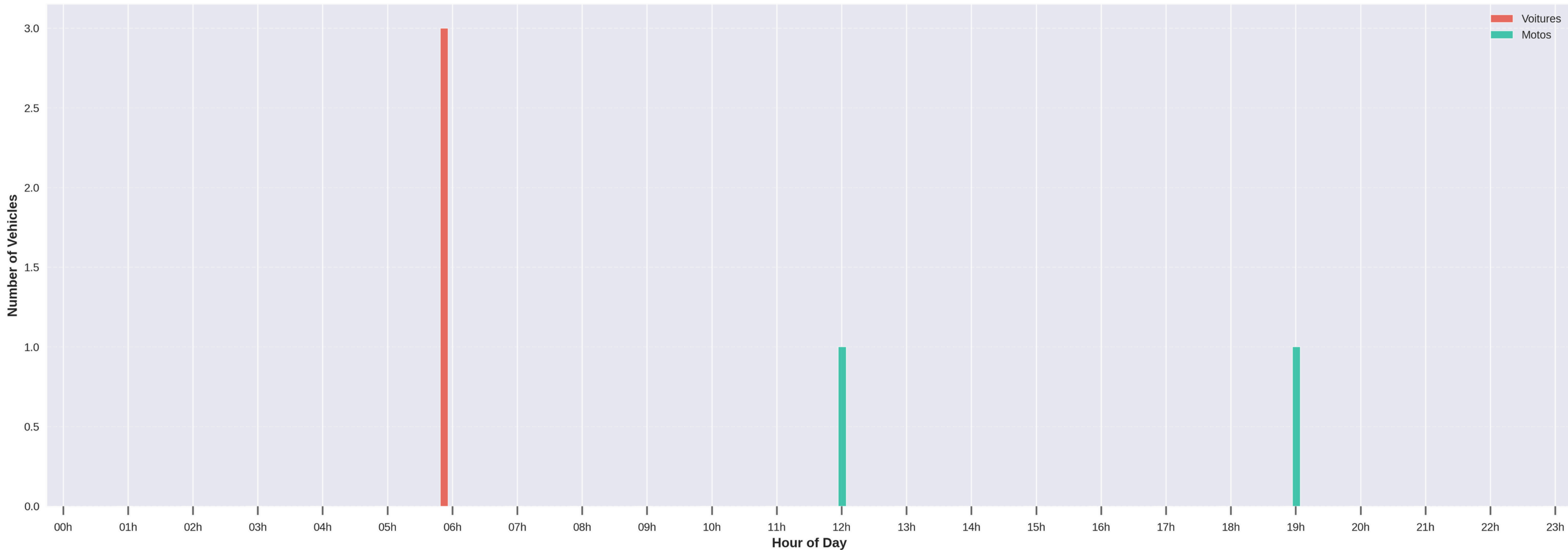Total: 2,318.0 | Peak: 374.0 at 12h | voitures: 2251.0 | motos: 53.0 | bus: 14.0

🎥 Camera 11 - Expo67 - Vehicles on 13/06/2025
Total: 12.0 | Peak: 5.0 at 11h | voitures: 4.0 | motos: 8.0

📷 Camera 11 - Expo67 - Vehicles on 14/06/2025
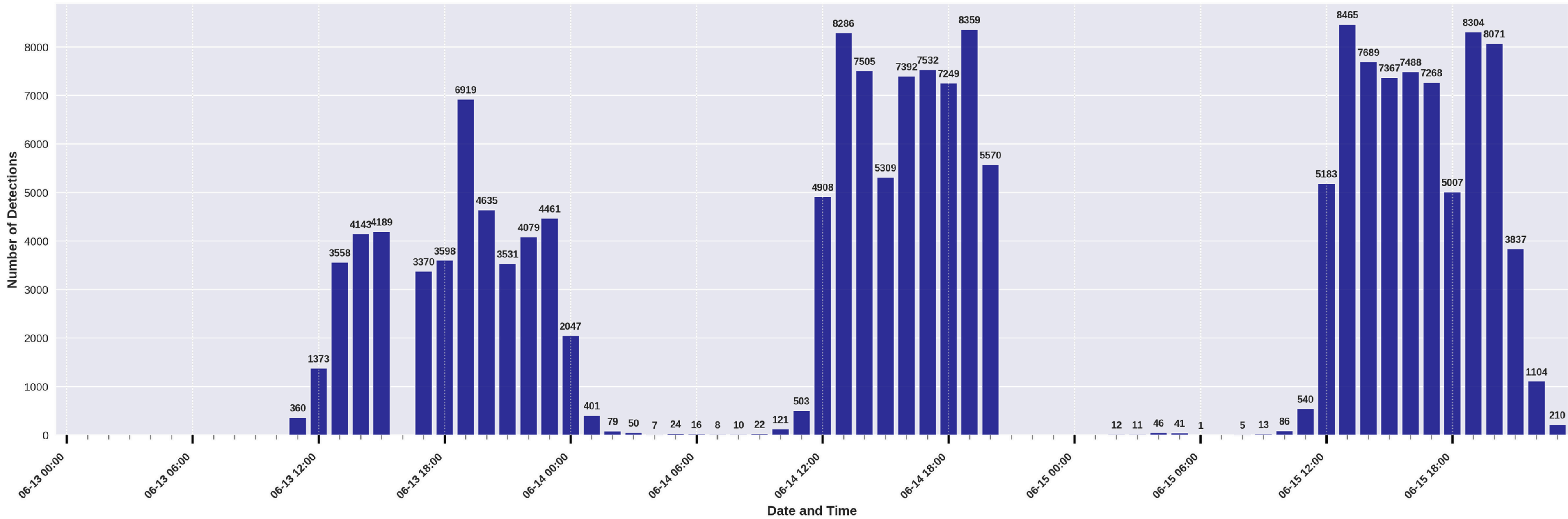Total: 6.0 | Peak: 2.0 at 09h | voitures: 2.0 | motos: 4.0

🎥 Camera 11 - Expo67 - Vehicles on 15/06/2025
Total: 5.0 | Peak: 3.0 at 06h | voitures: 3.0 | motos: 2.0

Camera 12 (619b9c22) - Casino - Persons
Total: 180,362 detections | Average: 2505.0/h | Peak: 8465 at 06-15 13:12
Avg Confidence: Enter 48.0% | Leave 55.4% | Avg Duration: 4.0s
Active hours: 54/72 (75.0%) | Period: 06-13 00:12 → 06-15 23:12

**Camera 13 (39903235) - Cosmos - Persons**
Total: 122,924 detections | Average: 1707.3/h | Peak: 7903 at 06-15 20:12
Avg Confidence: Enter 45.8% | Leave 56.5% | Avg Duration: 2.8s
Active hours: 49/72 (68.1%) | Period: 06-13 00:12 → 06-15 23:12
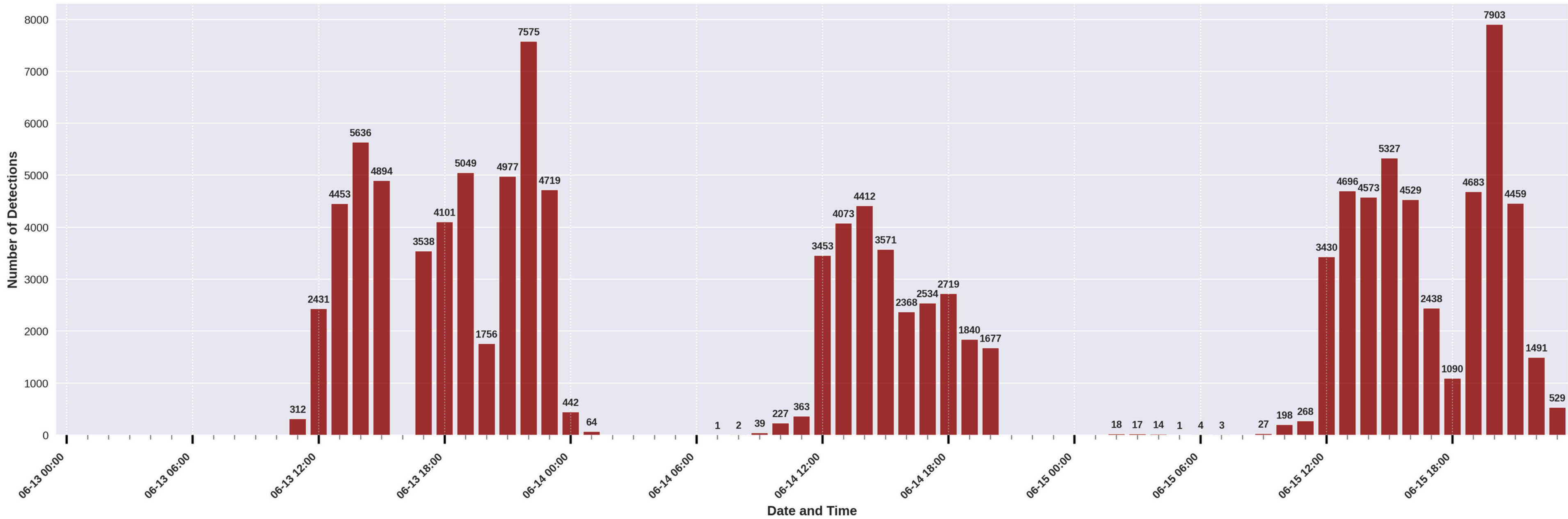
Camera 14 (ac45eb45) - pVictoria2 - Persons
Total: 2,074 detections | Average: 28.8/h | Peak: 132 at 06-14 11:12
Avg Confidence: Enter 41.4% | Leave 47.3% | Avg Duration: 3.9s
Active hours: 41/72 (56.9%) | Period: 06-13 00:12 → 06-15 23:12
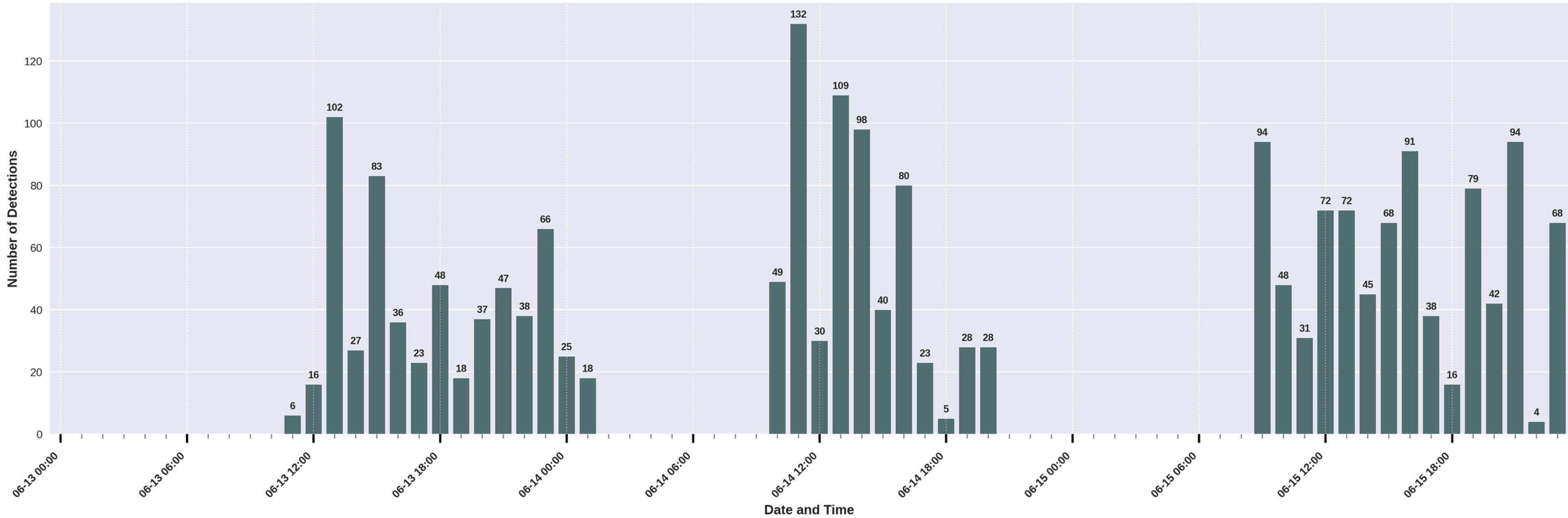
Camera 15 (676733a0) - t11 - Persons
Total: 82,898 detections | Average: 1151.4/h | Peak: 5917 at 06-15 16:12
Avg Confidence: Enter 37.6% | Leave 46.1% | Avg Duration: 14.6s
Active hours: 40/72 (55.6%) | Period: 06-13 00:12 → 06-15 23:12
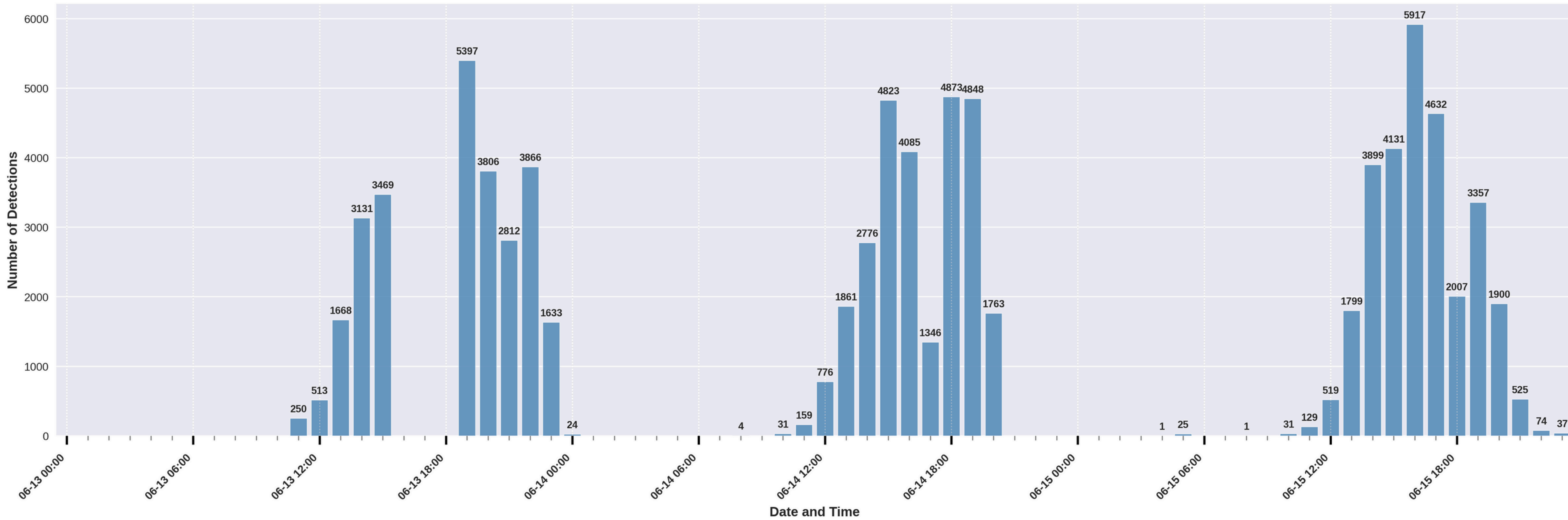
DURATIONS CHARTS

These duration histograms analyze **how long people and vehicles stay in each monitored area** during the F1 Grand Prix event. This is can be used for:
  - **Understanding visitor behavior patterns**
  - **Identifying areas with unusual dwell times**
  - **Optimizing venue layout and services**
  - **Ensuring smooth traffic flow in different zones**

DURATIONS CHARTS

What Each Graph Shows :

**Y-Axis: Number of Detections**

- **Height of bars** = How many people/vehicles stayed for that duration
- **Higher bars** = More common behavior patterns

X-Axis: Duration Categories

We track 10 specific time ranges to capture different behavior types:

- **0-5 sec**
- **5-10 sec**
- **10-30 sec**
- 3**0-60 sec**
- 1**-2 min**
- **2-3 min**
- **3-4 min**

Camera 1 (05c2c656) - CT 01 - Person Duration Distribution
Total: 119,353 people | Average: 7.2s | Most frequent: 0-5 sec (73,610)
Quick (<30s): 96.7% | Medium (30s-3min): 3.2% | Long (3min+): 0.1%
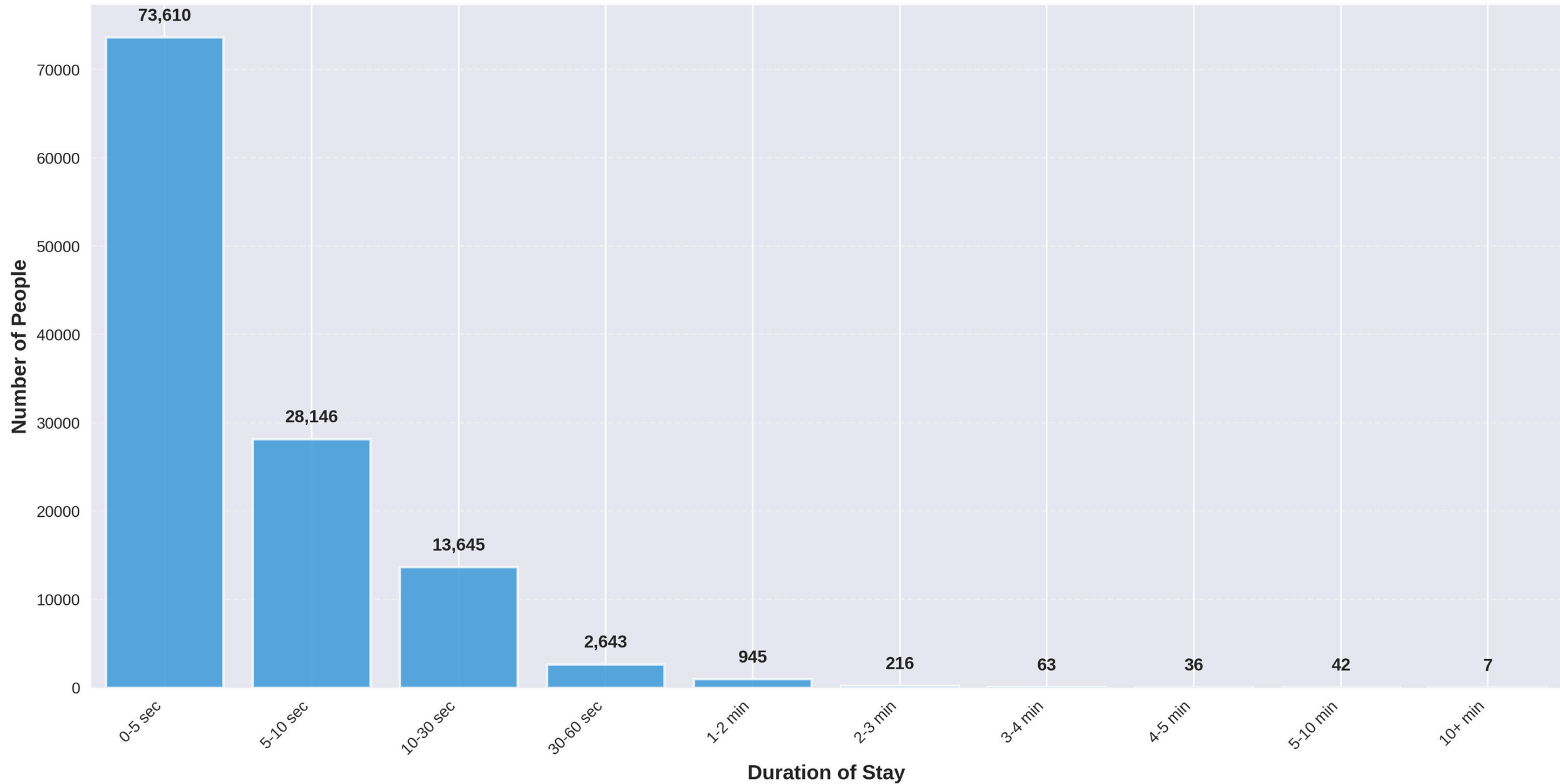
Camera 3 (0b116c11) - Pass Cas - Person Duration Distribution
Total: 27,504 people | Average: 7.4s | Most frequent: 0-5 sec (15,952)
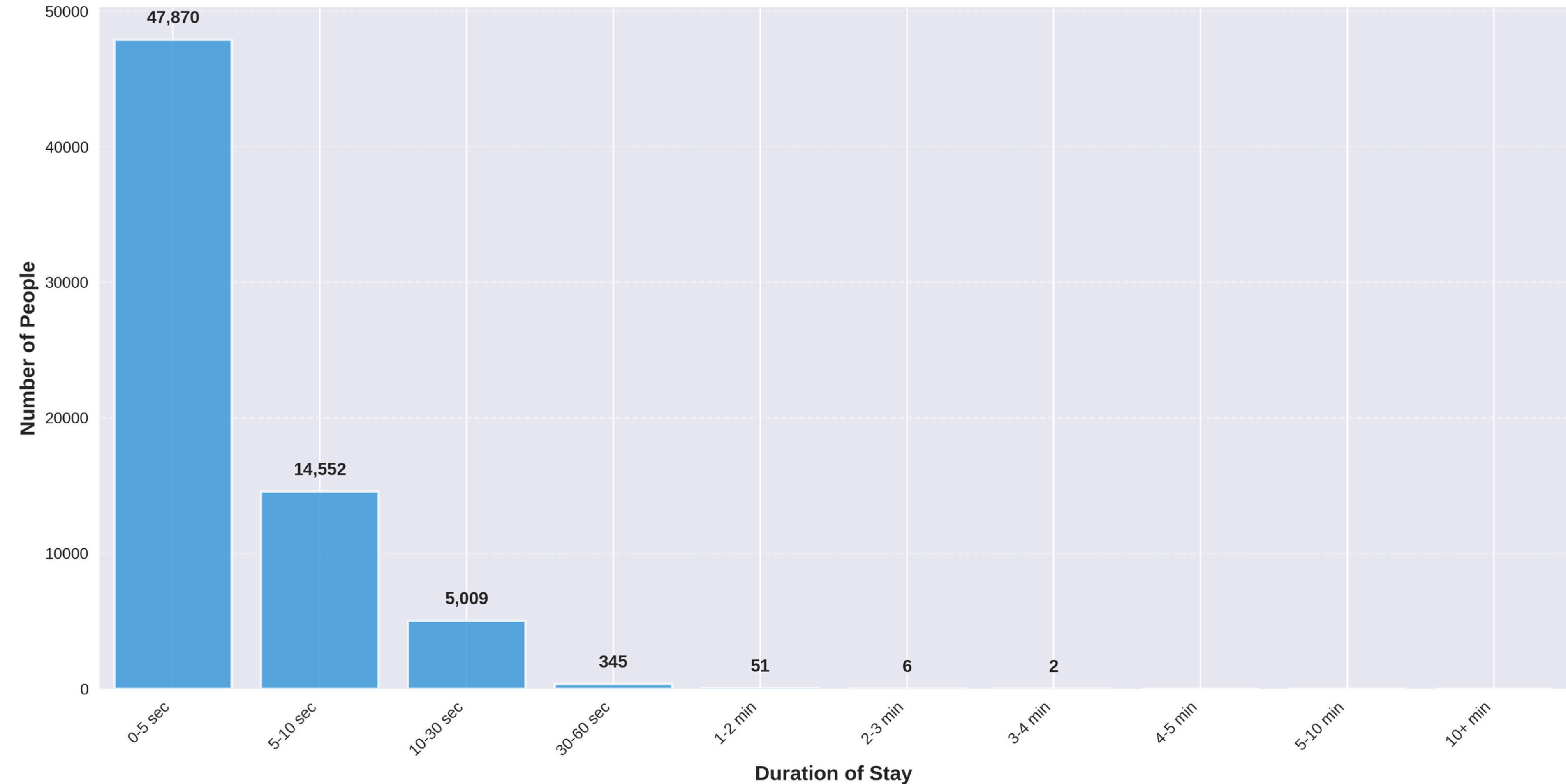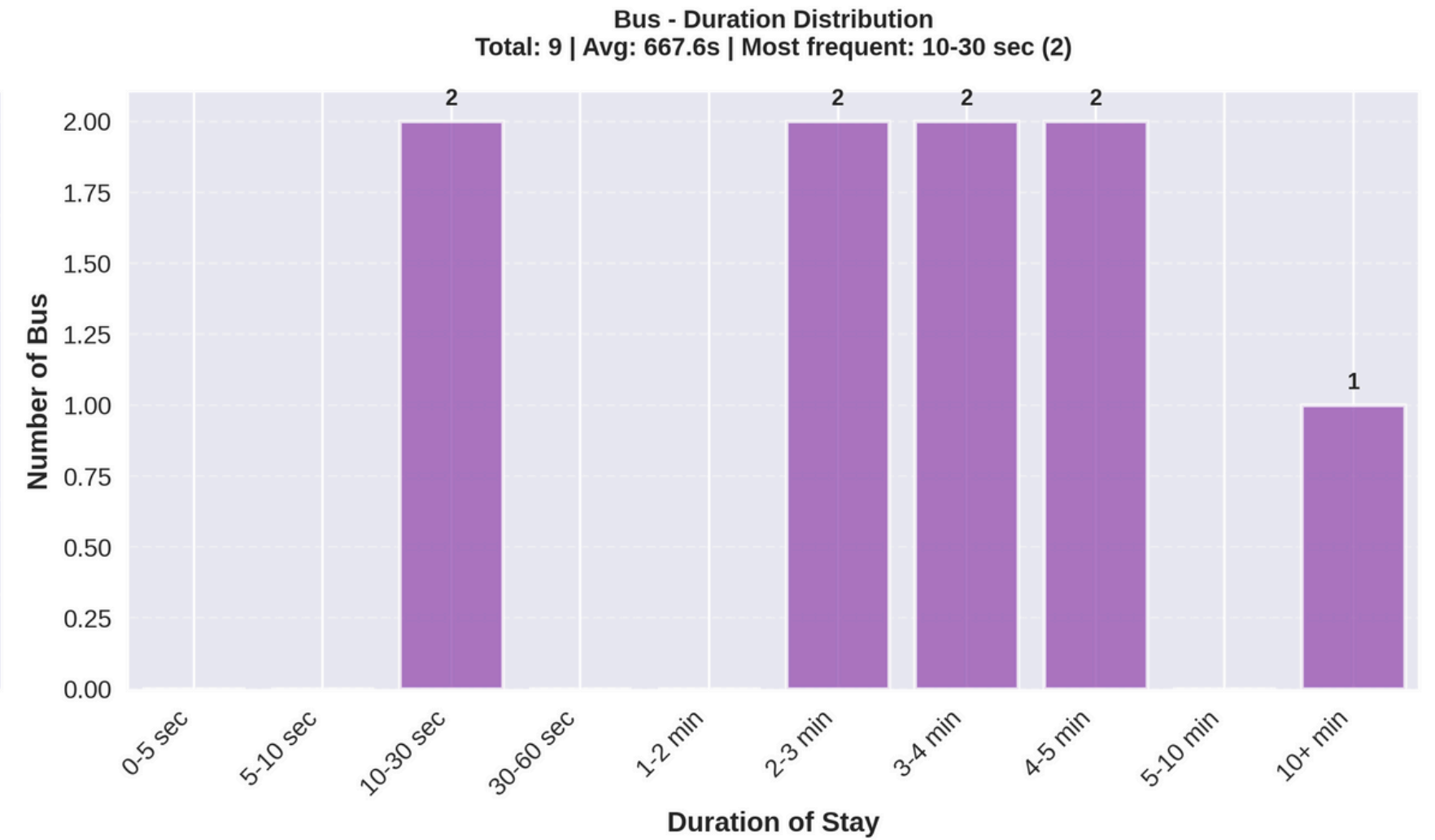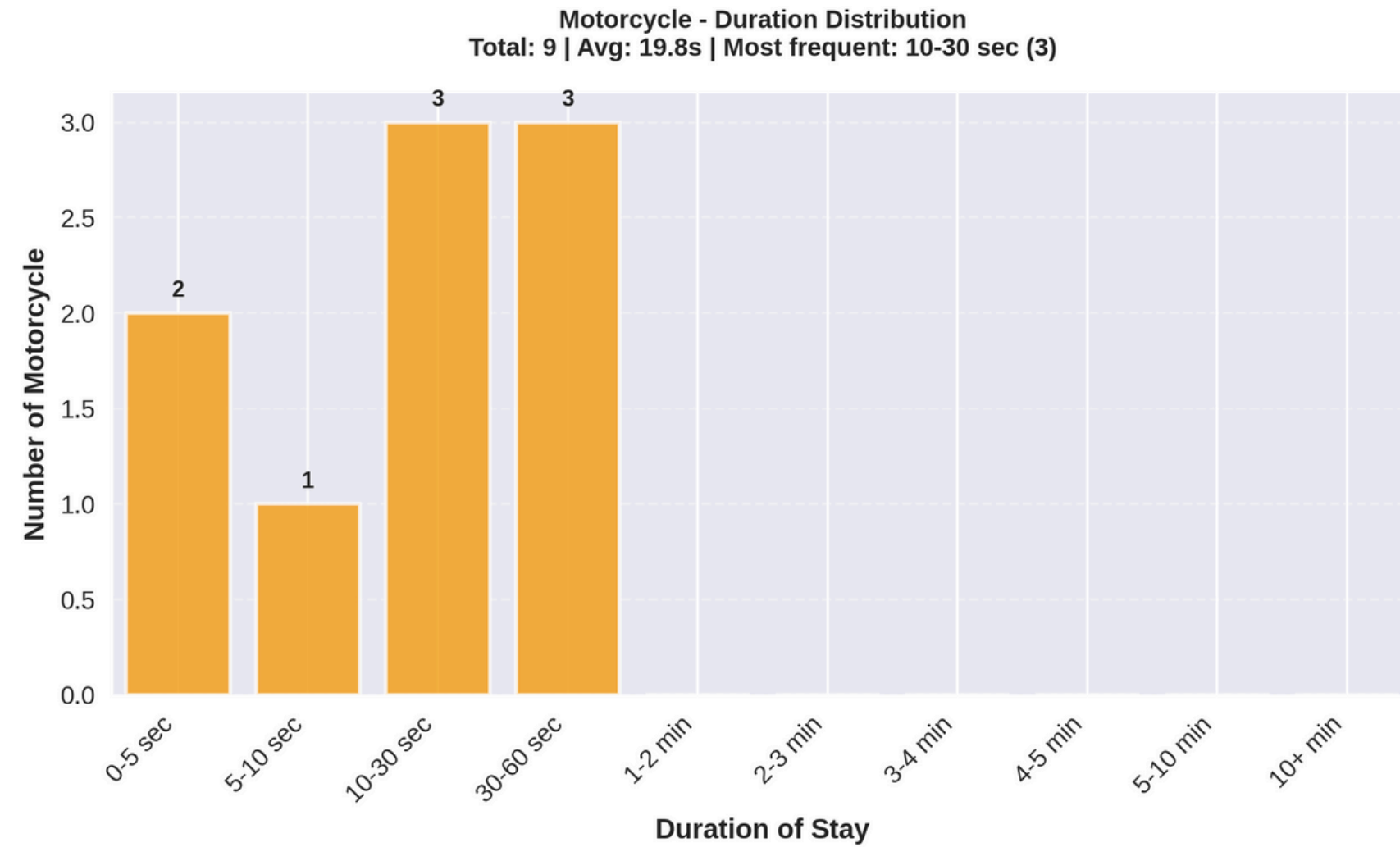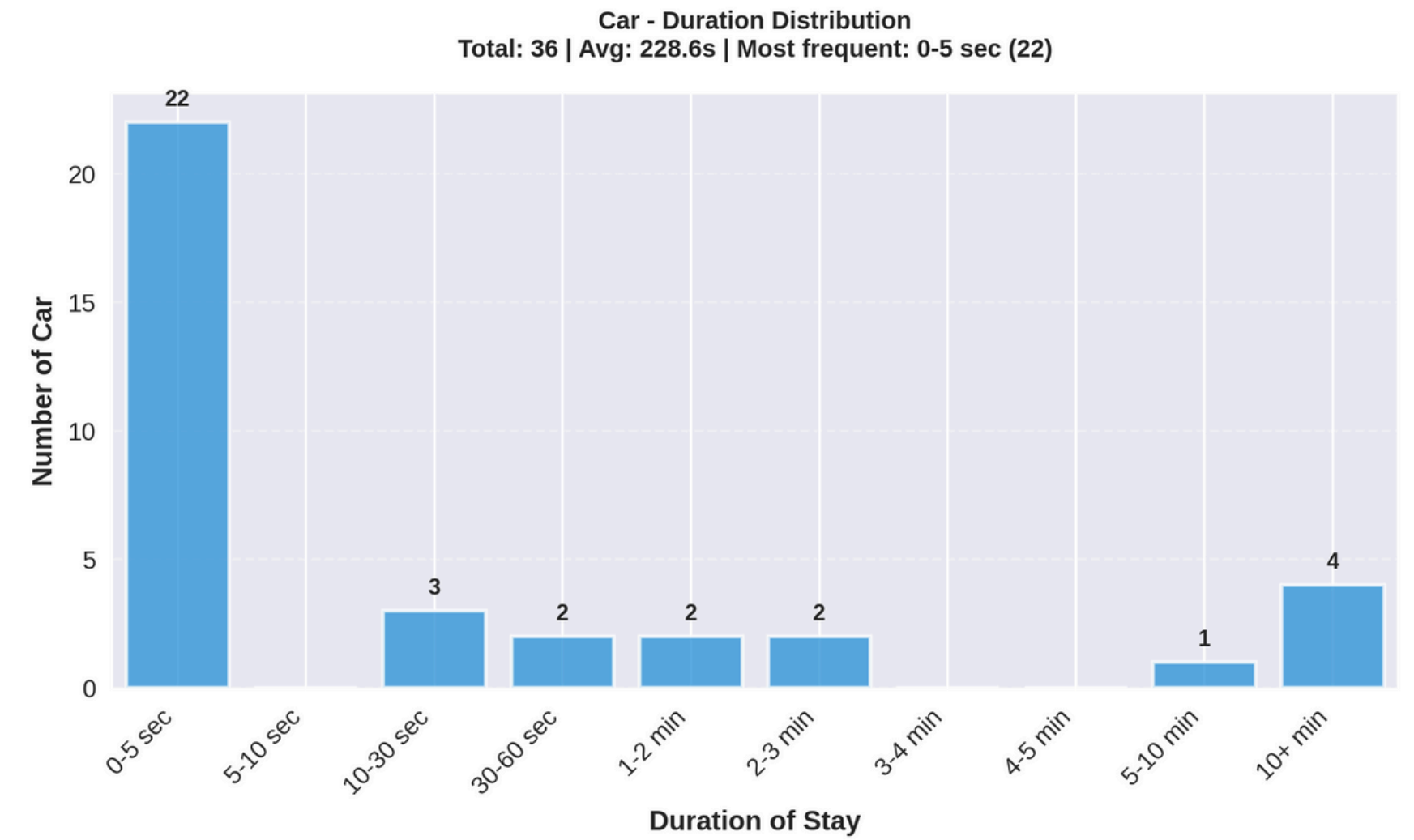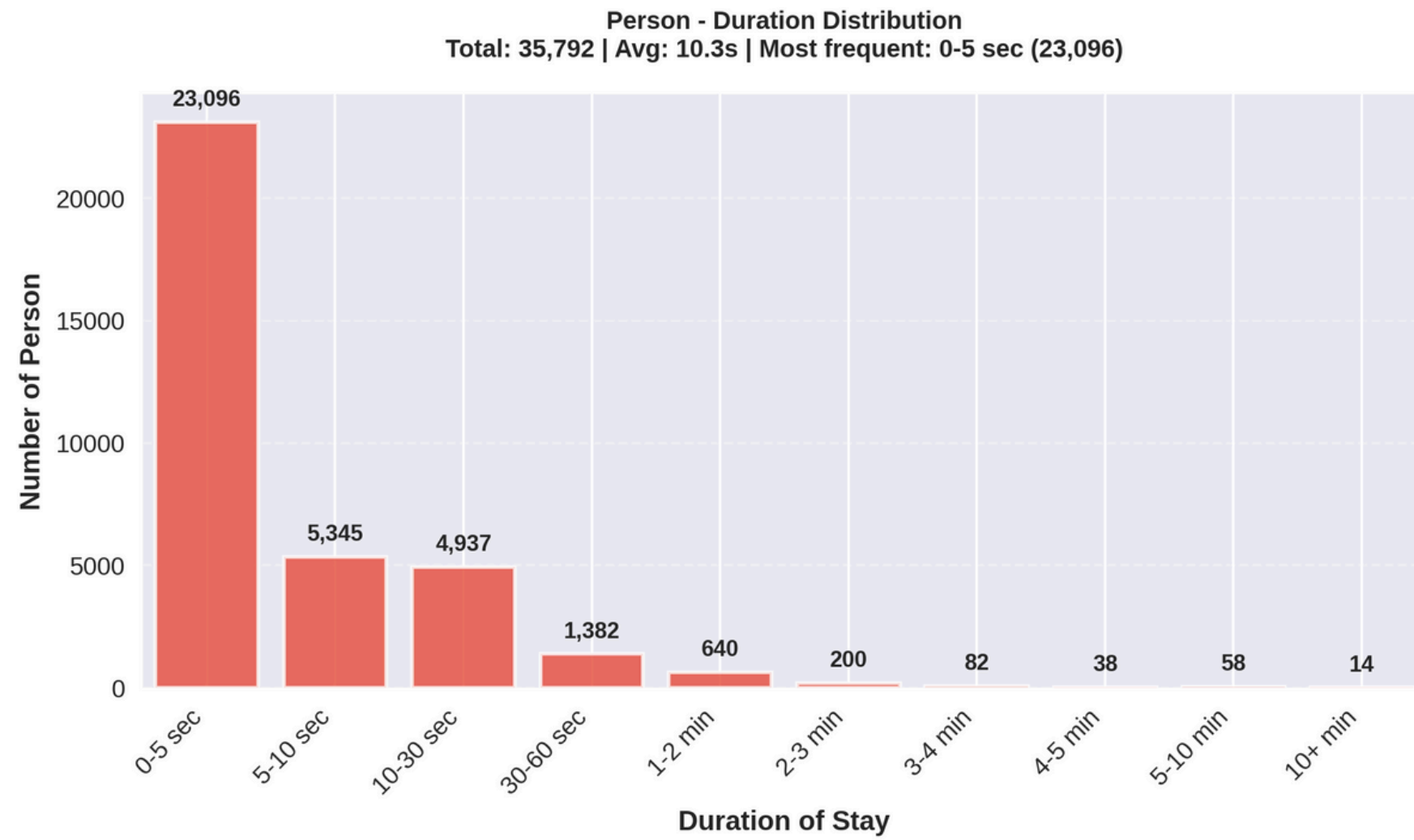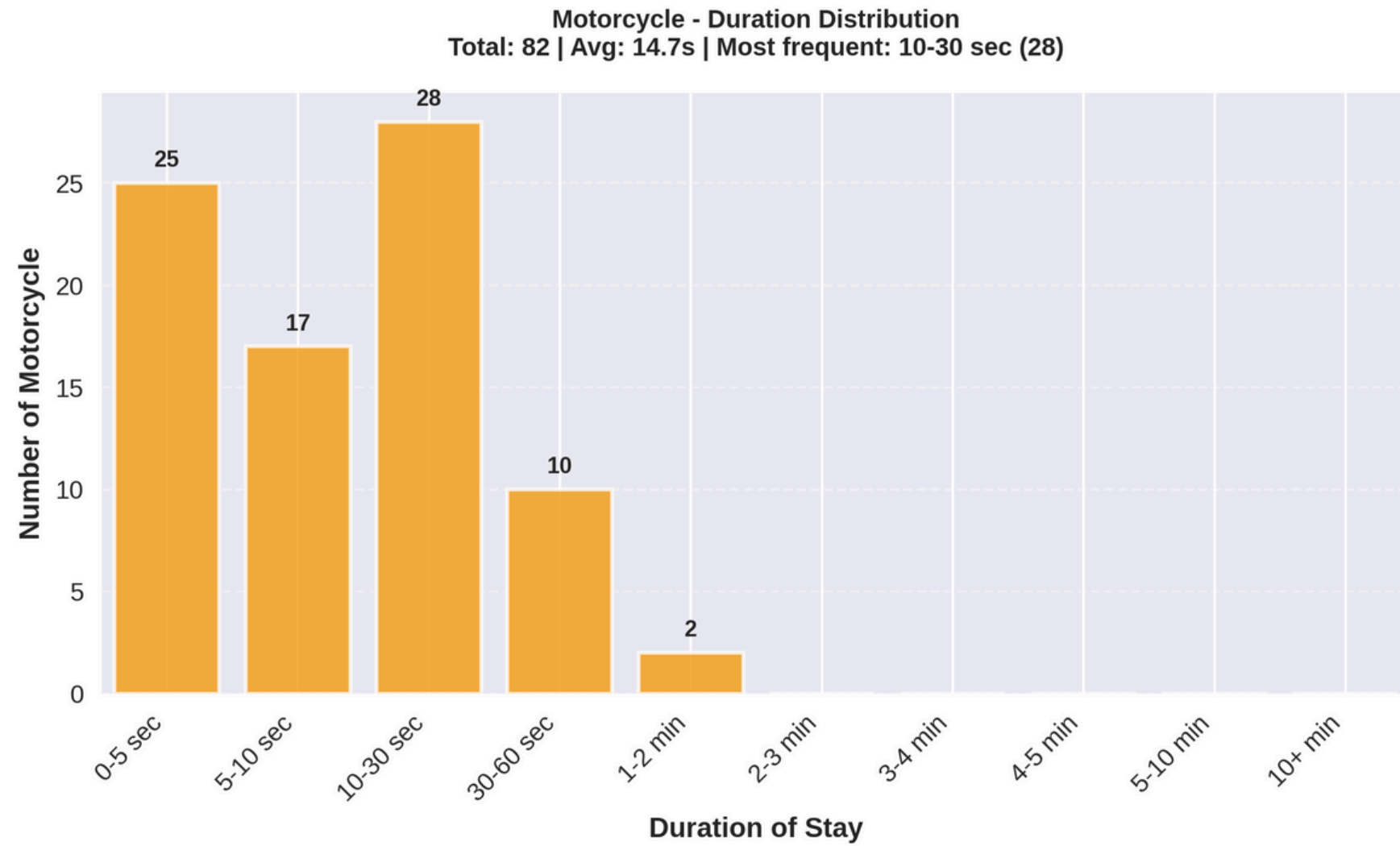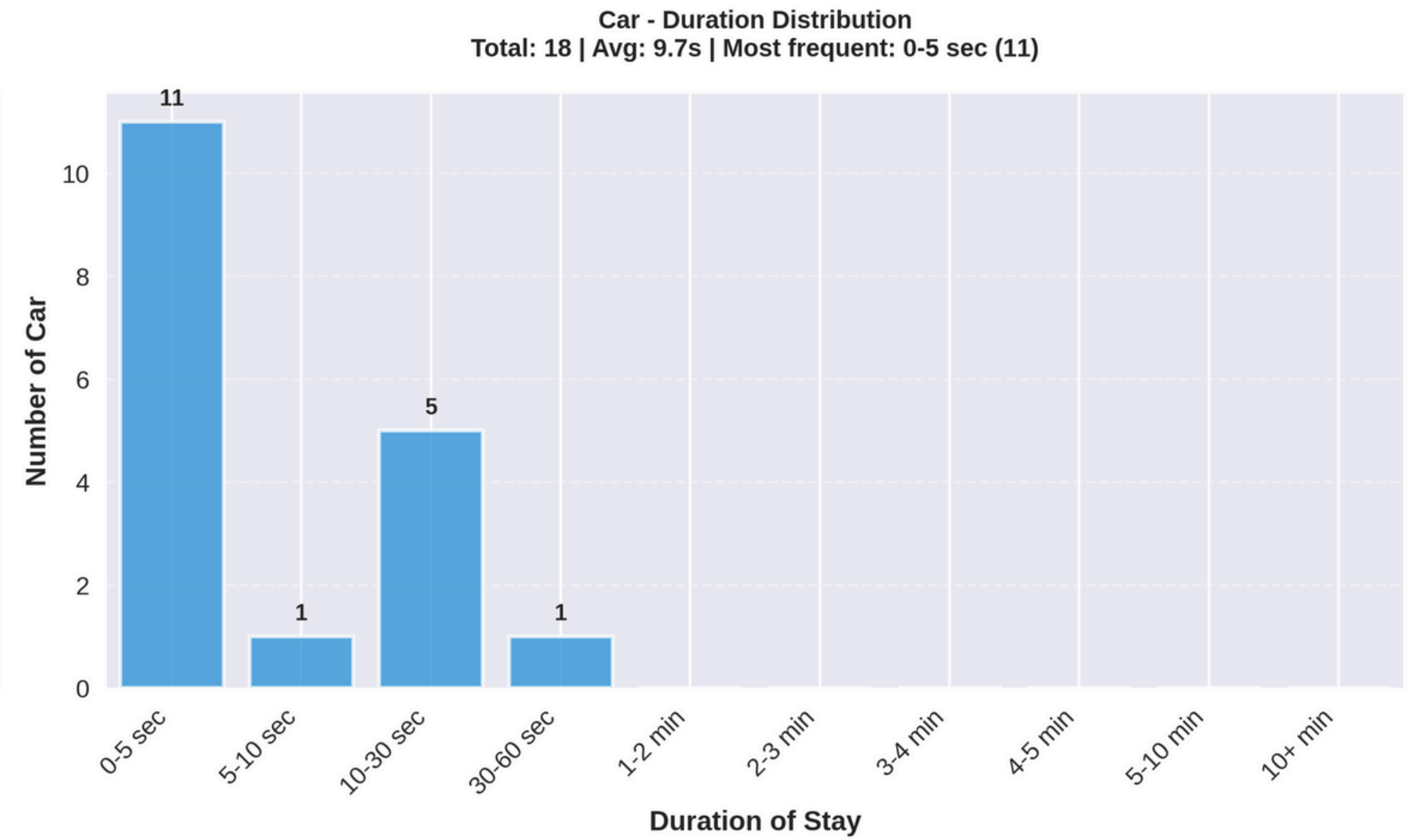Quick (<30s): 96.1% | Medium (30s-3min): 3.9% | Long (3min+): 0.1%
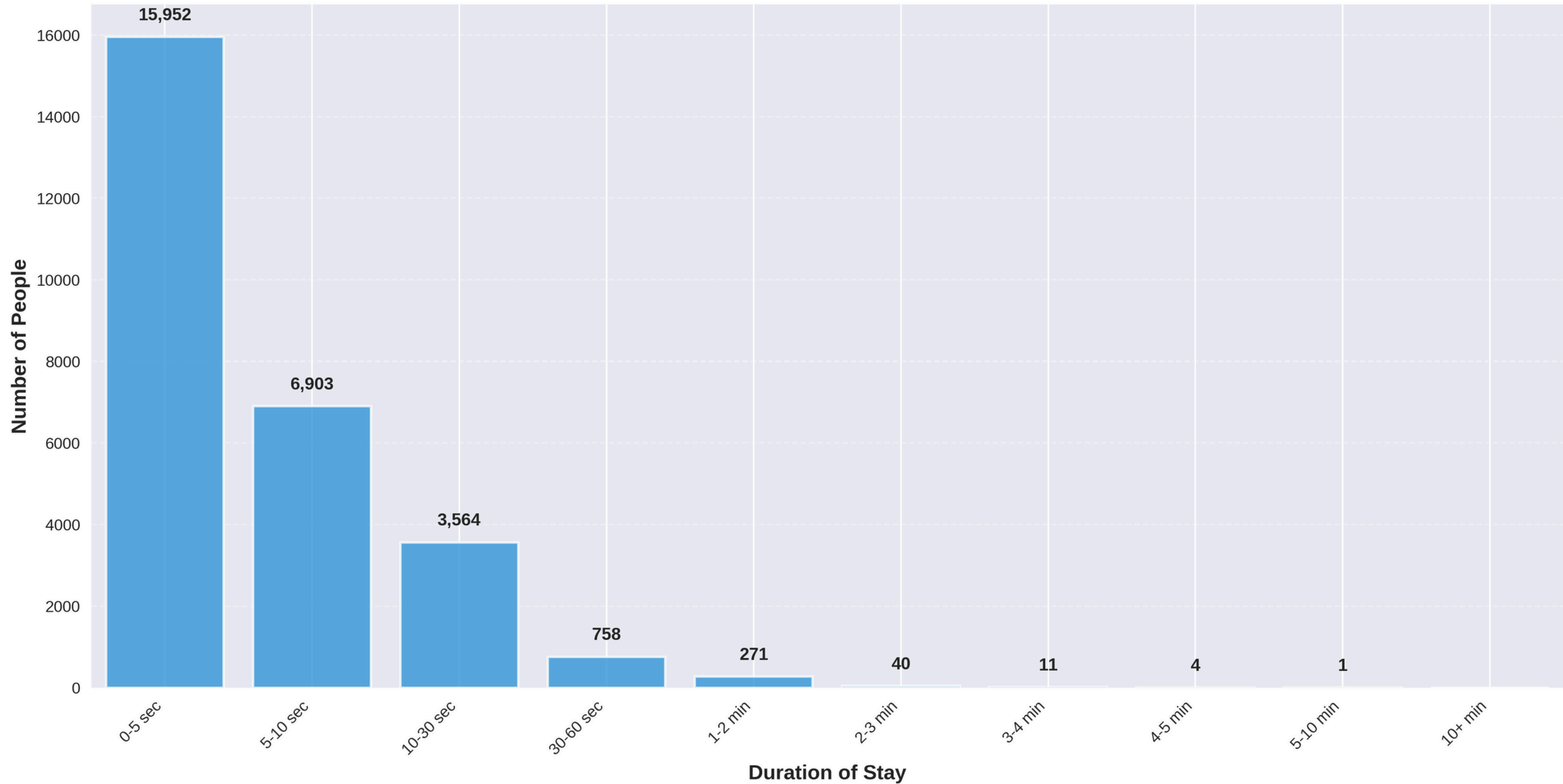
Camera 4 (501de7f0) - Fan Zone - Person Duration Distribution
Total: 67,835 people | Average: 4.3s | Most frequent: 0-5 sec (47,870)
Quick (<30s): 99.4% | Medium (30s-3min): 0.6% | Long (3min+): 0.0%

📷 Camera 5 (5770a6af) - t11 #2 - Vehicle Duration Distribution by Class

Person - Duration Distribution
Total: 35,792 | Avg: 10.3s | Most frequent: 0-5 sec (23,096)

Car - Duration Distribution
Total: 36 | Avg: 228.6s | Most frequent: 0-5 sec (22)

Motorcycle - Duration Distribution
Total: 9 | Avg: 19.8s | Most frequent: 10-30 sec (3)

Bus - Duration Distribution
Total: 9 | Avg: 667.6s | Most frequent: 10-30 sec (2)

Person - Duration Distribution
Total: 52,571 | Avg: 9.4s | Most frequent: 0-5 sec (27,023)

Car - Duration Distribution
Total: 18 | Avg: 9.7s | Most frequent: 0-5 sec (11)

Motorcycle - Duration Distribution
Total: 82 | Avg: 14.7s | Most frequent: 10-30 sec (28)

Camera 9 (095da260) - pVictoria1 - Vehicle Duration Distribution by Class

Person - Duration Distribution
Total: 3,657 | Avg: 6.0s | Most frequent: 0-5 sec (2,710)

Car - Duration Distribution
Total: 4,570 | Avg: 17.2s | Most frequent: 0-5 sec (3,232)

Motorcycle - Duration Distribution
Total: 129 | Avg: 7.0s | Most frequent: 0-5 sec (99)

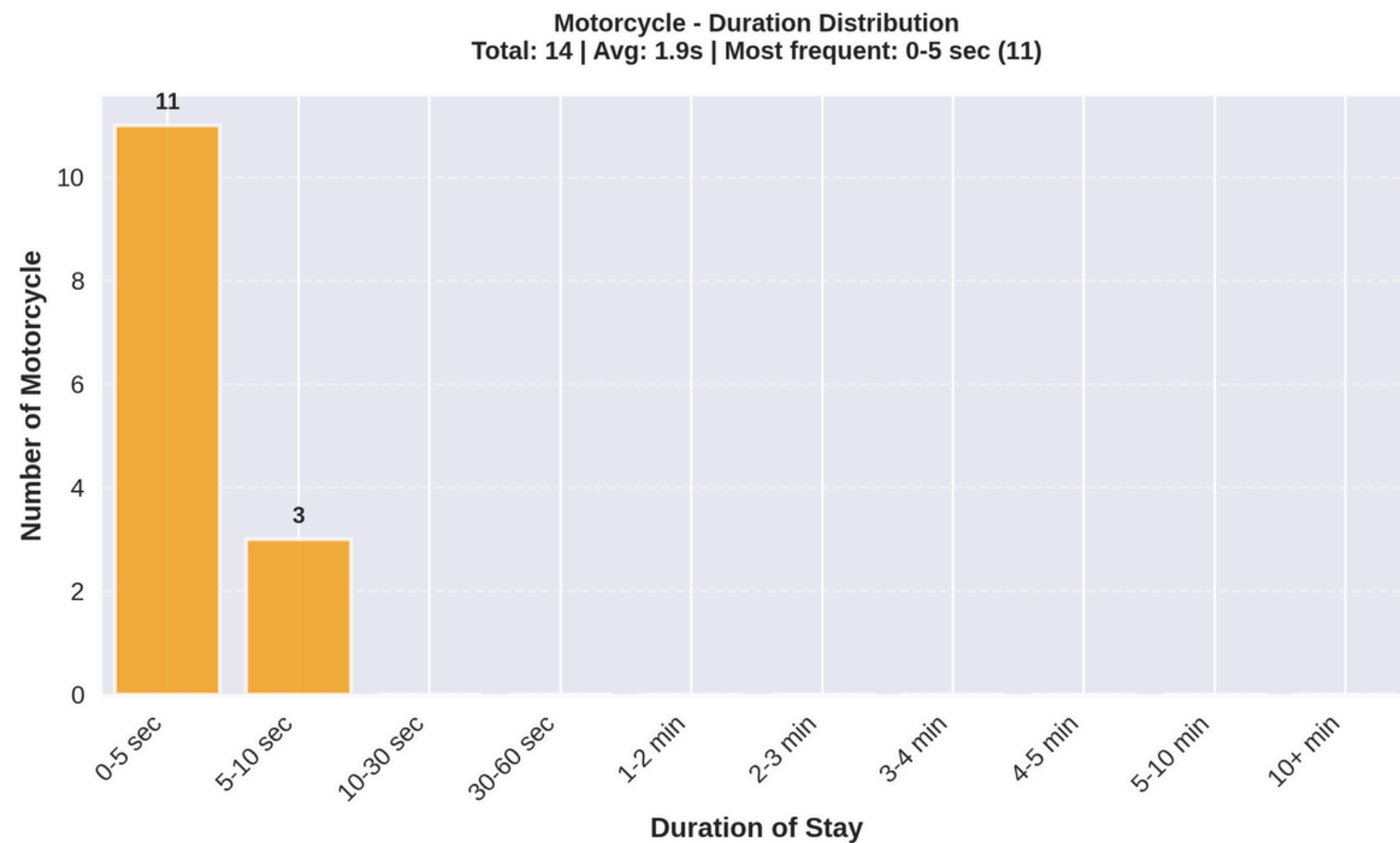Bus - Duration Distribution
Total: 29 | Avg: 4.0s | Most frequent: 0-5 sec (22)
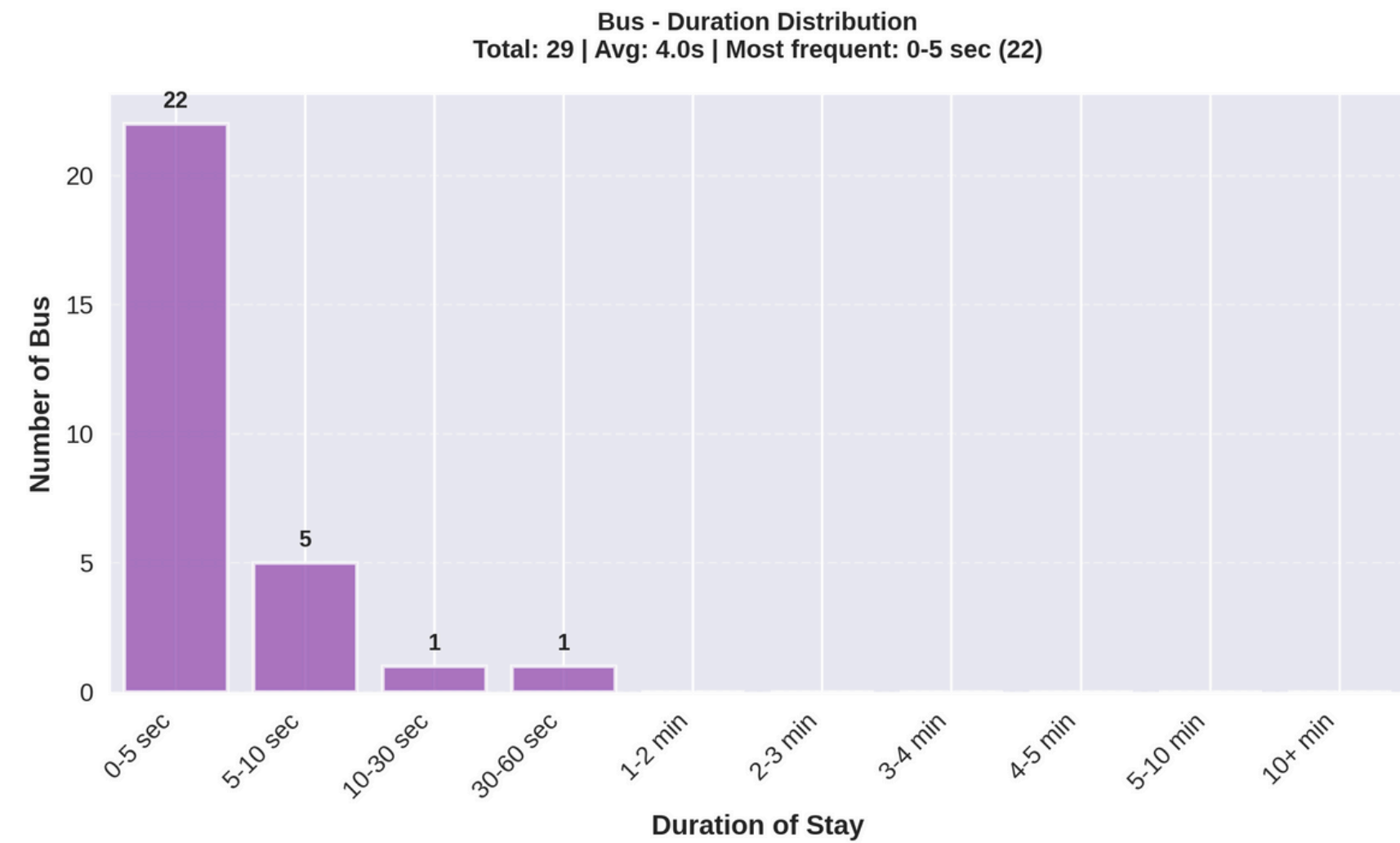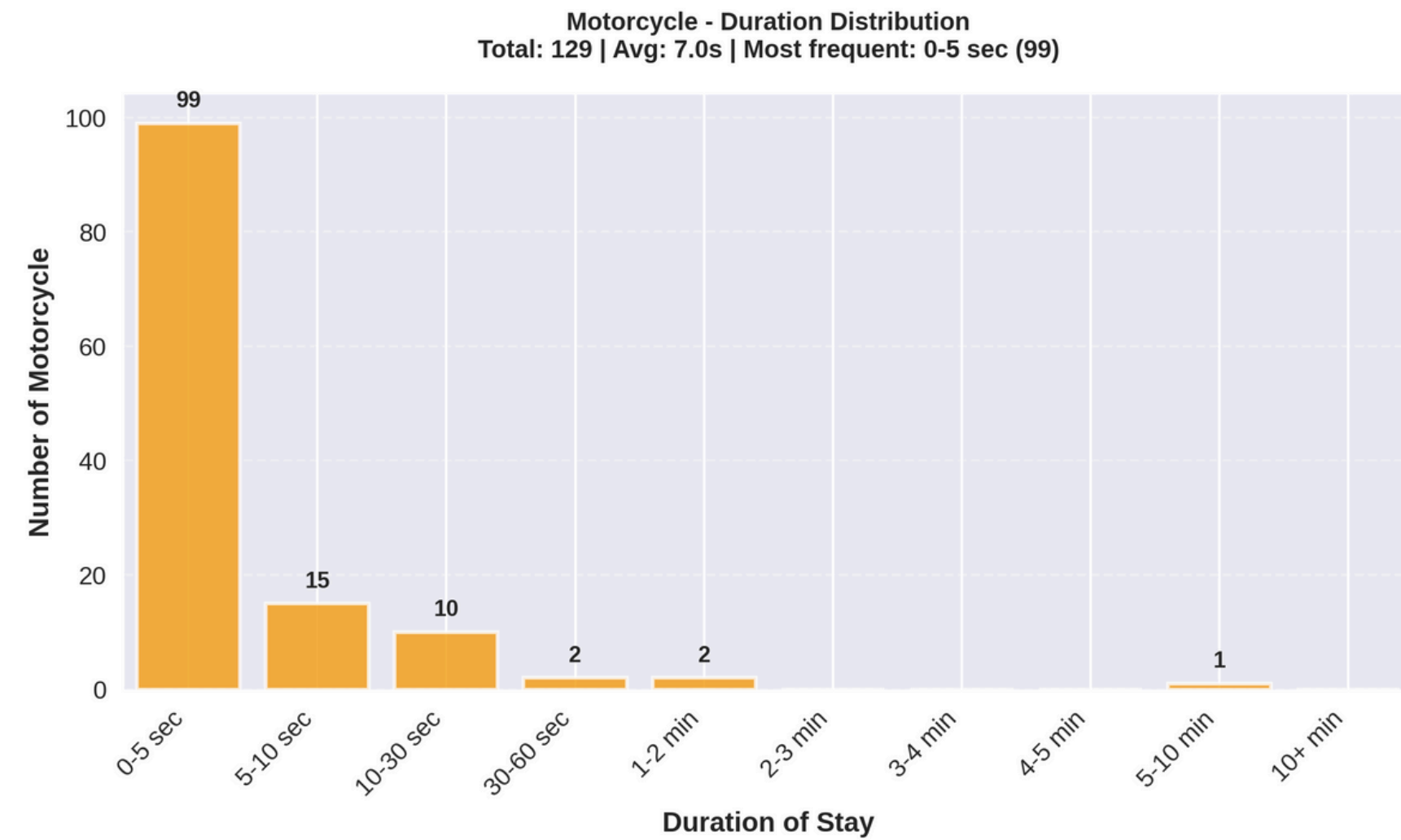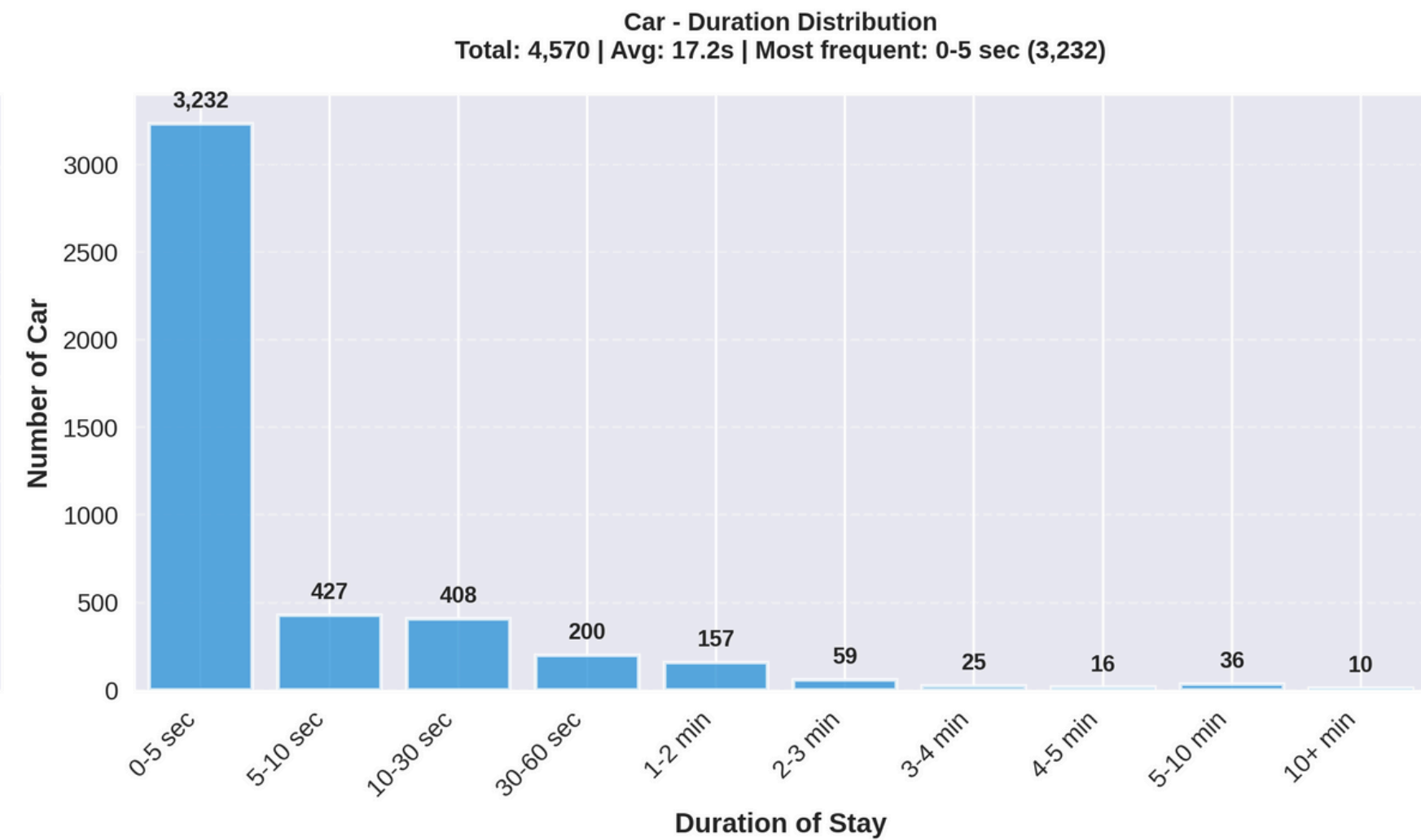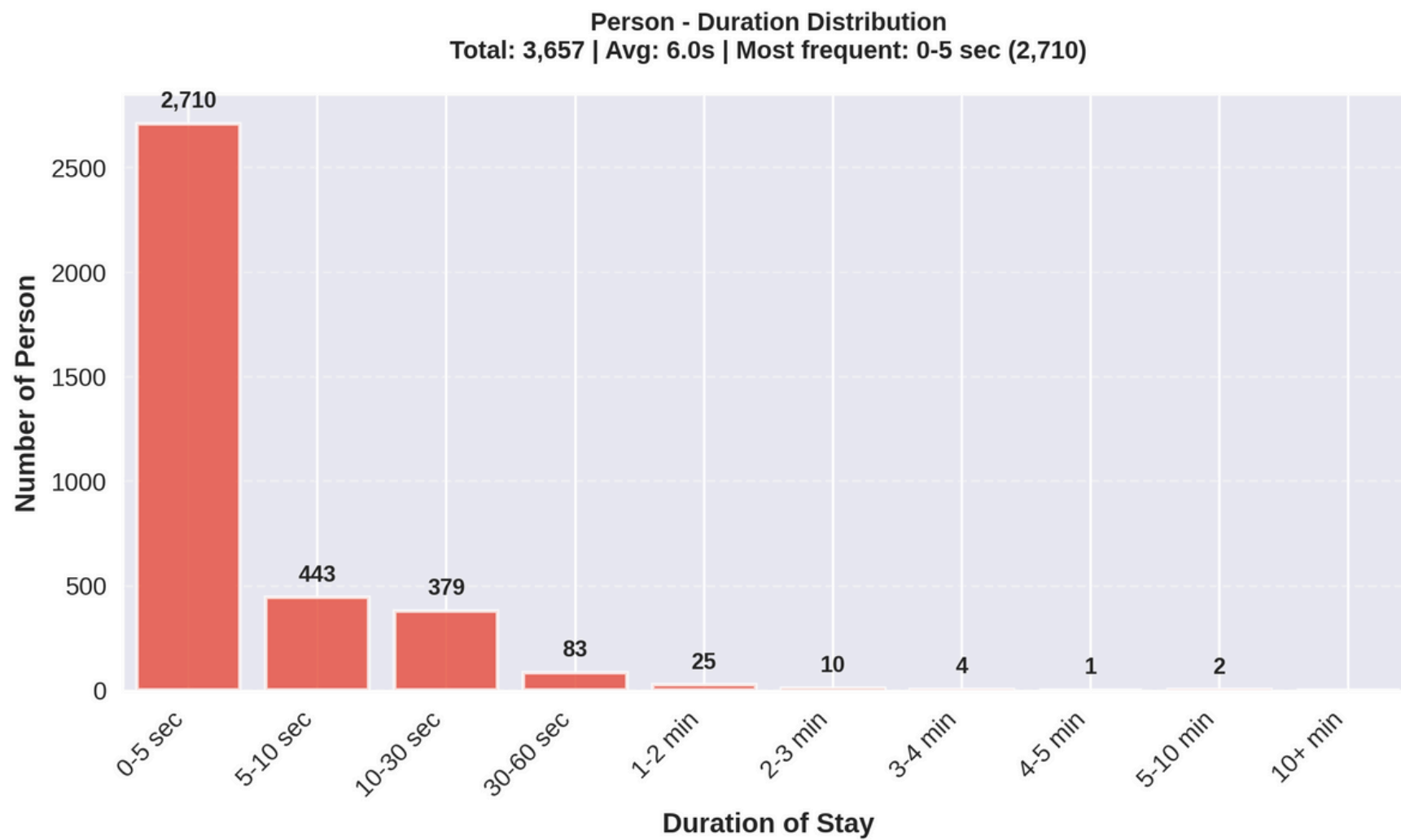
📷 Camera 11 (dcef030f) - Expo67 - Vehicle Duration Distribution by Class

Person - Duration Distribution
Total: 126,605 | Avg: 3.4s | Most frequent: 0-5 sec (93,412)

Car - Duration Distribution
Total: 9 | Avg: 0.5s | Most frequent: 0-5 sec (9)

Motorcycle - Duration Distribution
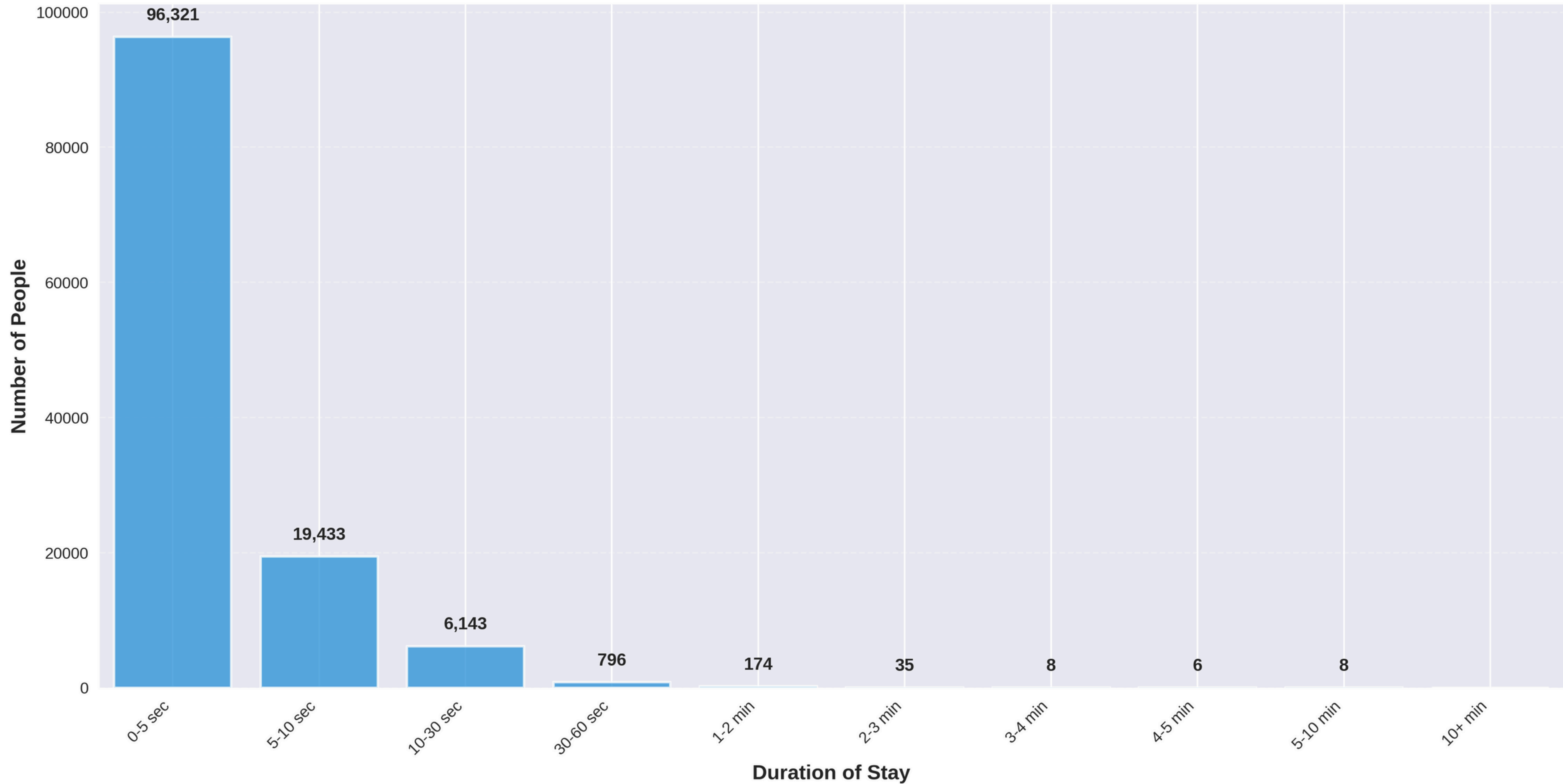**Total: 14 | Avg: 1.9s | Most frequent: 0-5 sec (11)**
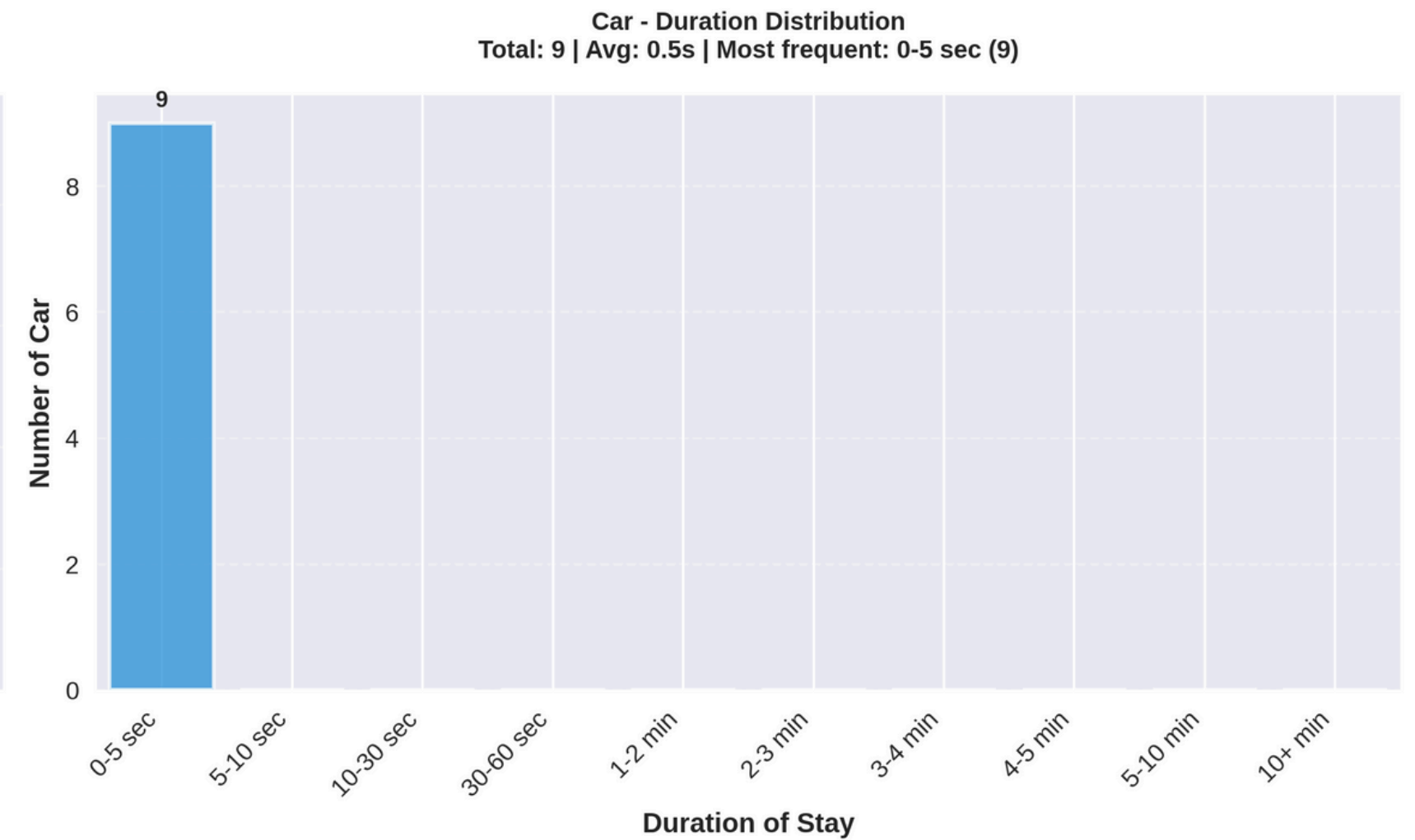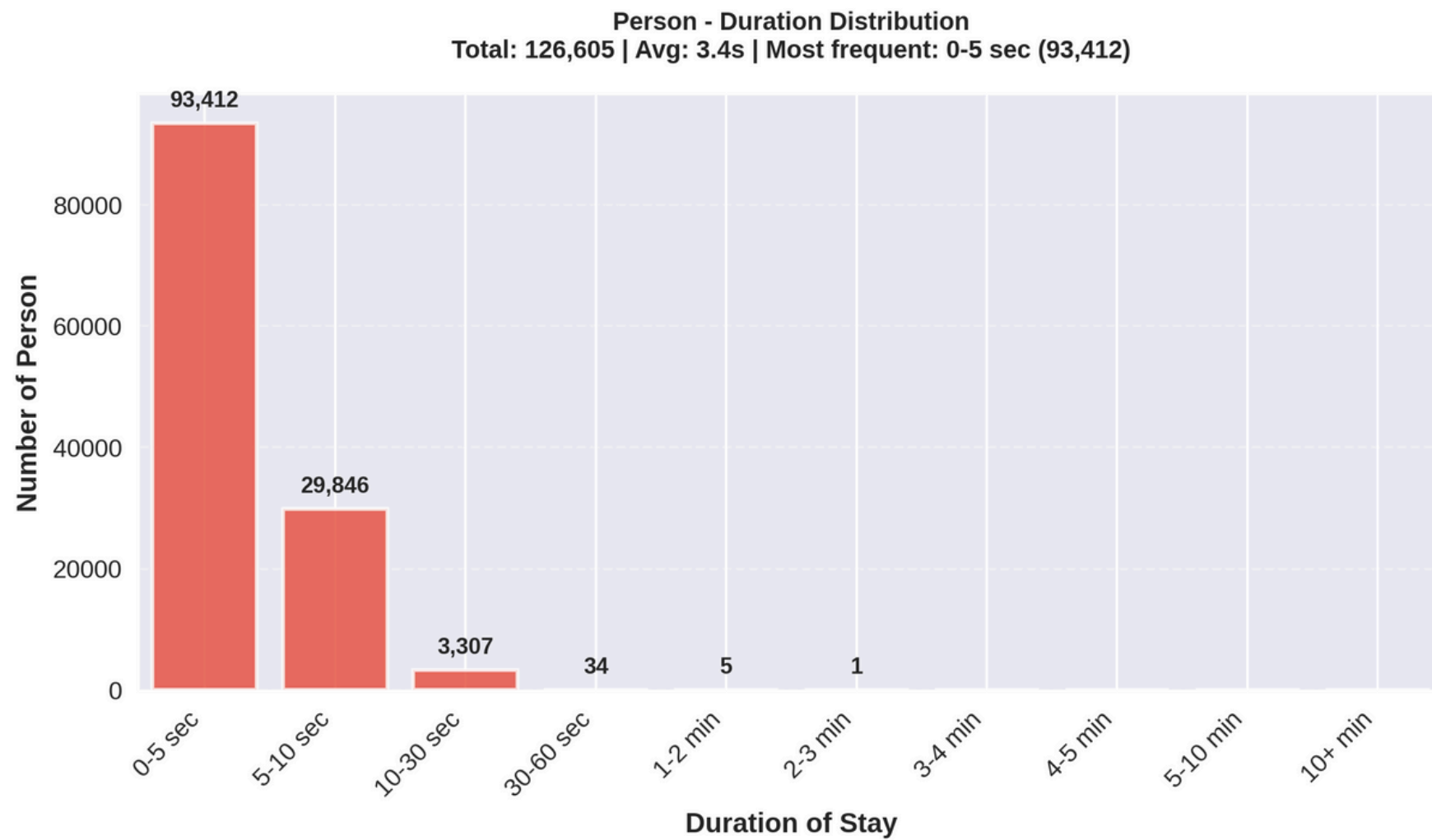
Camera 12 (619b9c22) - Casino - Person Duration Distribution
Total: 180,362 people | Average: 5.6s | Most frequent: 0-5 sec (107,383)
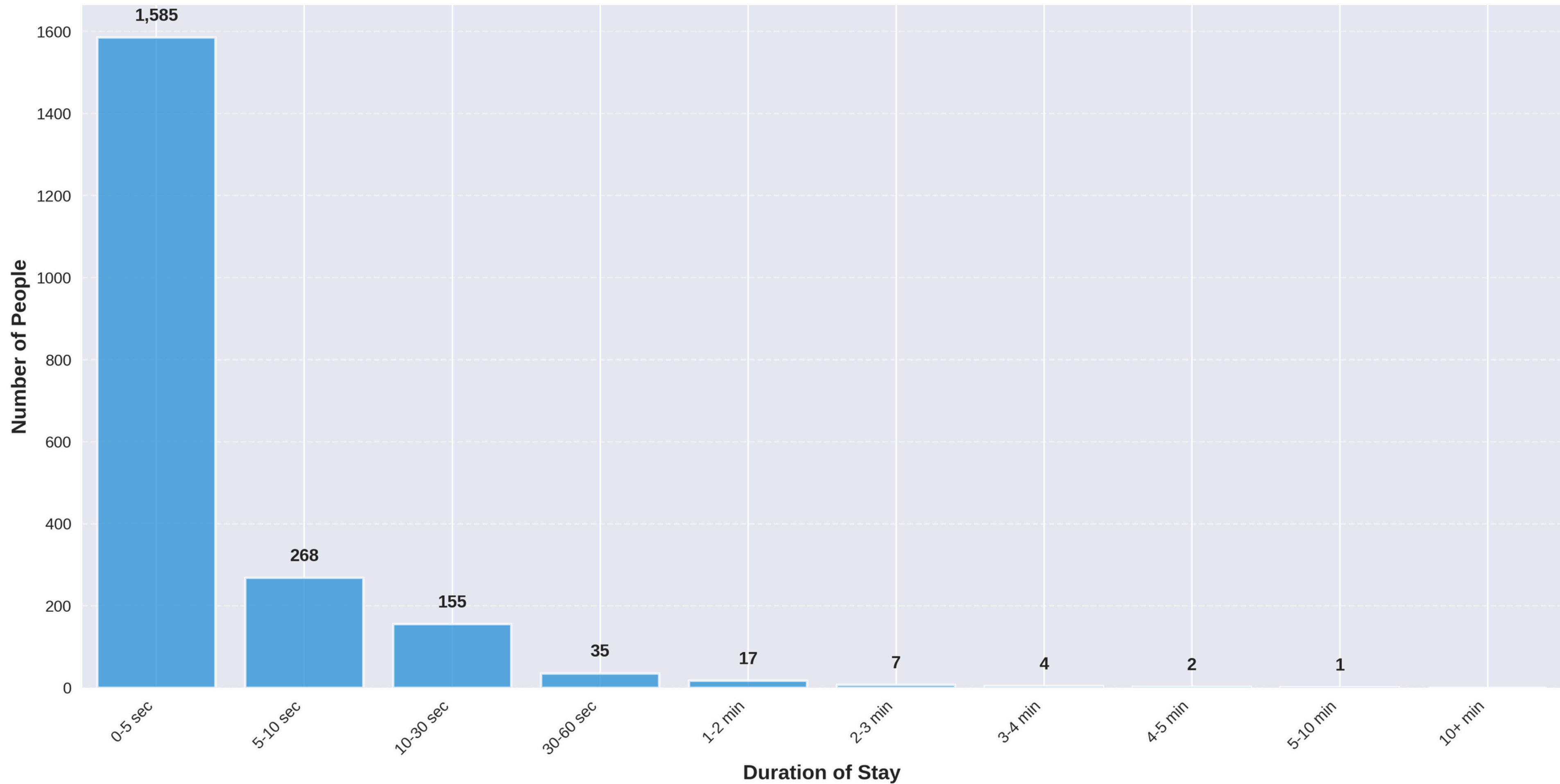**Quick (<30s): 99.1% | Medium (30s-3min): 0.9% | Long (3min+): 0.0%**
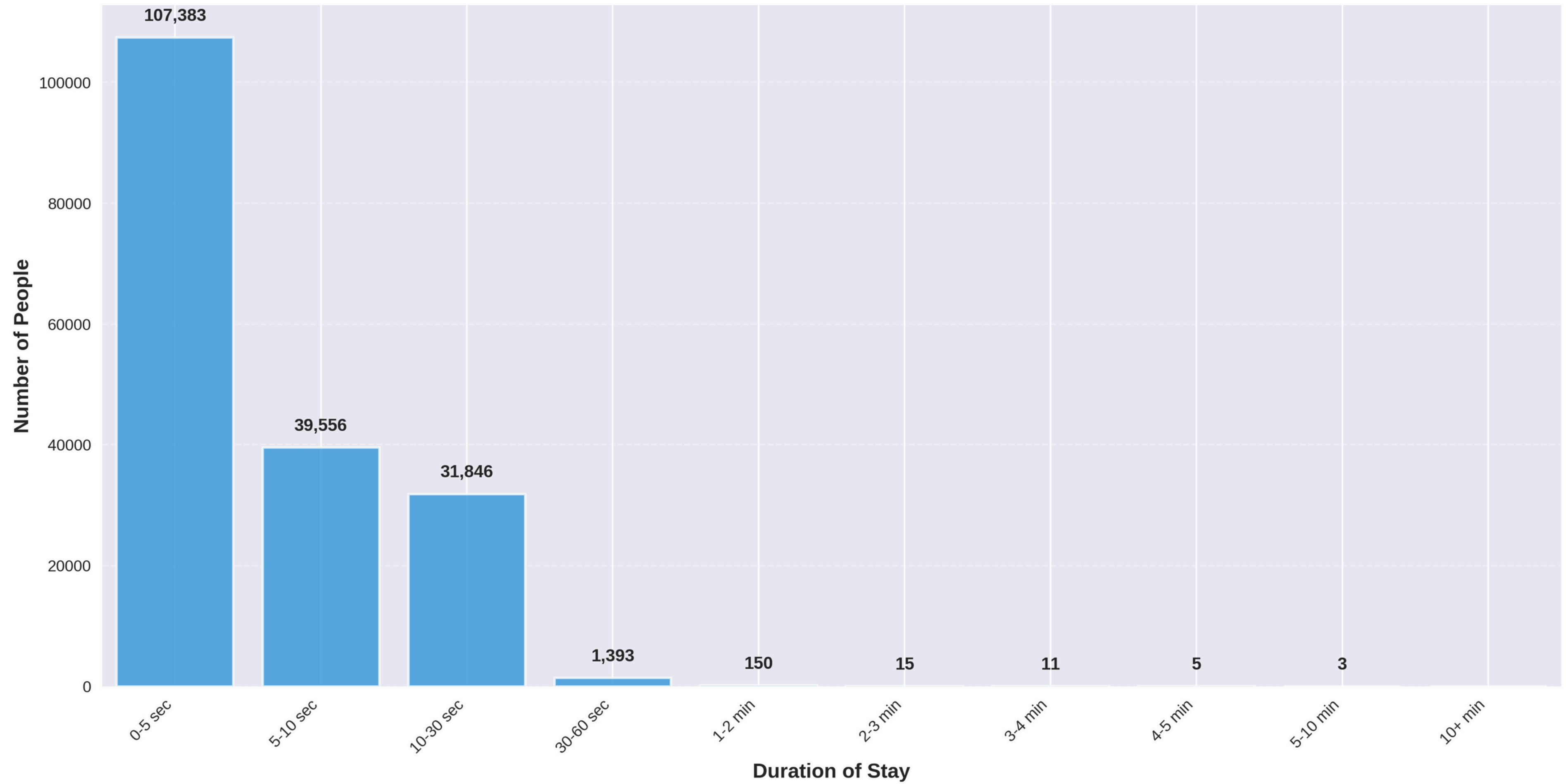
Camera 13 (39903235) - Cosmos - Person Duration Distribution
Total: 122,924 people | Average: 4.3s | Most frequent: 0-5 sec (96,321)
Quick (<30s): 99.2% | Medium (30s-3min): 0.8% | Long (3min+): 0.0%

Camera 14 (ac45eb45) - pVictoria2 - Person Duration Distribution
Total: 2,074 people | Average: 6.4s | Most frequent: 0-5 sec (1,585)
Quick (<30s): 96.8% | Medium (30s-3min): 2.8% | Long (3min+): 0.3%

Camera 15 (676733a0) - t11 - Person Duration Distribution
Total: 82,898 people | Average: 6.0s | Most frequent: 0-5 sec (56,998)
Quick (<30s): 98.0% | Medium (30s-3min): 2.0% | Long (3min+): 0.0%