

Company	
id	SERIAL
name	VARCHAR(255) NN
registration_number	VARCHAR(20)
industry	VARCHAR(100)
website	VARCHAR(255)
phone_number	VARCHAR(20)
address	VARCHAR(255)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Branch	
id	SERIAL
company_id	INT
parent_branch_id	INT
name	VARCHAR(255) NN
location	VARCHAR(255)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

AppUser	
id	SERIAL
branch_id	INT
username	VARCHAR(50)
password_hash	VARCHAR(255) NN
email	VARCHAR(255)
full_name	VARCHAR(100)
role	VARCHAR(20)
last_login	TIMESTAMP
account_status	VARCHAR(20)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Camera	
id	SERIAL
branch_id	INT
label	VARCHAR(255)
protocol	VARCHAR(20)
host	VARCHAR(255)
port	INT
user	VARCHAR(30)
password	VARCHAR(30)
channel	INT
model	VARCHAR(255)
type	VARCHAR(30)
resolution	VARCHAR(20)
install_date	DATE
status	VARCHAR(20)
additional	JSON
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

UserCameraAccess	
id	SERIAL
user_id	INT
camera_id	INT
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

SecurityLog	
id	SERIAL
user_id	INT
action_description	TEXT
log_time	TIMESTAMP
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

MaintenanceLog	
id	SERIAL
camera_id	INT
action_description	TEXT
log_time	TIMESTAMP
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Incident	
id	SERIAL
camera_id	INT
incident_date	TIMESTAMP
description	TEXT
resolved	BOOLEAN
resolution_details	TEXT
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Person	
id	SERIAL
camera_id	INT
detection_time	TIMESTAMP
label	TEXT
confidence	DECIMAL(5,4)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

EnterExit	
id	SERIAL
person_id	INT
event_time	TIMESTAMP
event_type	VARCHAR(10)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Gender	
id	SERIAL
person_id	INT
gender	TEXT
confidence	DECIMAL(5,4)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Age	
id	SERIAL
person_id	INT
age_range	VARCHAR(20)
confidence	DECIMAL(5,4)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Movement	
id	SERIAL
person_id	INT
movement_type	VARCHAR(20)
start_time	TIMESTAMP
end_time	TIMESTAMP
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Company	
id	SERIAL
name	VARCHAR(255) NN
registration_number	VARCHAR(20)
industry	VARCHAR(100)
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address	VARCHAR(255)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Branch	
id	SERIAL
company_id	INT
parent_branch_id	INT
name	VARCHAR(255) NN
location	VARCHAR(255)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

AppUser	
id	SERIAL
branch_id	INT
username	VARCHAR(50)
password_hash	VARCHAR(255) NN
email	VARCHAR(255)
full_name	VARCHAR(100)
role	VARCHAR(20)
last_login	TIMESTAMP
account_status	VARCHAR(20)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Camera	
id	SERIAL
branch_id	INT
label	VARCHAR(255)
protocol	VARCHAR(20)
host	VARCHAR(255)
port	INT
user	VARCHAR(30)
password	VARCHAR(30)
channel	INT
model	VARCHAR(255)
type	VARCHAR(30)
resolution	VARCHAR(20)
install_date	DATE
status	VARCHAR(20)
additional	JSON
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

SecurityLog	
id	SERIAL
user_id	INT
action_description	TEXT
log_time	TIMESTAMP
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

UserCameraAccess	
id	SERIAL
user_id	INT
camera_id	INT
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Incident	
id	SERIAL
camera_id	INT
incident_date	TIMESTAMP
description	TEXT
resolved	BOOLEAN
resolution_details	TEXT
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

MaintenanceLog	
id	SERIAL
camera_id	INT
action_description	TEXT
log_time	TIMESTAMP
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Person	
id	SERIAL
camera_id	INT
detection_time	TIMESTAMP
label	TEXT
confidence	DECIMAL(5,4)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

EnterExit	
id	SERIAL
person_id	INT
event_time	TIMESTAMP
event_type	VARCHAR(10)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Gender	
id	SERIAL
person_id	INT
gender	TEXT
confidence	DECIMAL(5,4)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Age	
id	SERIAL
person_id	INT
age_range	VARCHAR(20)
confidence	DECIMAL(5,4)
createdAt	TIMESTAMP
updatedAt	TIMESTAMP

Movement	
id	SERIAL
person_id	INT
movement_type	VARCHAR(20)
start_time	TIMESTAMP
end_time	TIMESTAMP
createdAt	TIMESTAMP
updatedAt	TIMESTAMP