Detection

uuid	id	PK
timestamp	detection_time	
string	video_source	
float	confidence_score	
jsonb	raw_detection_data	
geomentry	frame_location	

detectionObject

uuid	id	PK
uuid	detection_id	FK
string	object_type	
float	confidence_score	
jsonb	bounding_box	
geomentry	location	
timestamp	created_at	

Alert

uuid	id	PK
uuid	detection_id	FK
string	Alert_type	
int	priority_level	
string	status	
jsonb	alert_details	
timestamp	created_at	

ThreatAssessment

uuid	id	PK
uuid	detection_id	FK
int	threat_level	
jsonb	behavior_analysis	
jsonb	movement_pattern	
float	risk_score	
timestamp	assessed_At	

ObjectTracking

uuid	id	PK

EnvironmentalScan

uuid	id	PK
timestamp	scan_time	
geometry	scan_area	
jsonb	terrain_data	
float	scan_confidence	
string	weather_conditions	

ystemConfiguration

uuid	id	PK
jsonb	detection_parameters	
jsonb	alert_thrreshold	
jsonb	processing_settings	
timestamp	last_updated	
string	updated_by	

CoverPoint

uuid	id	PK
uuid	scan_id	FK
geometry	location	

uuid	detection_id	FK
geomentry	previous_loactions	
jsonb	velocity_vector	
timestamp	track_start	
timestamp	track_end	

Table		

AlertAction		
uuid	id	PK
uuid	detection_id	FK
string	action_type	
string	status	
timestamp	created_at	
timestamp	completed_at	

geometry	location	
float	protection_rating	
string	cover_type	
int	capacity	
boolean	is_accessible	

Structure		
uuid	id	PK
uuid	scan_id	FK
string	structure_type	
geometry	location	
jsonb	dimmentions	
string	material_type	
float	structural_integrity	