vCloud.ai

Smart Tracking System

Product Specification

Product Description

vCloud.ai Smart Tracking System video analytics is a sophisticated deep learning AI search engine for video streams. It analyzes videos with ease and uses metadata, to quickly locate a specific person of interest indoors or outdoors. This analytic retains its extremely high accuracy even in the presence of changing light conditions,shadows or challenging weather. Smart Tracking system solution will improve incident response times and enhance forensic investigations by helping operators compile robust video evidence, create a powerful narrative of events, and reveal an individual's route or last-known location.

Smart Tracking System Features

Multi-camera tracking of person
Search for lost children in malls and public places.
Search by attributes (color of clothes, bag, hair, hat, gender, and age)
A quick search for wanted person
Person size for detection minimum: 20×40 px (WxH), recommended: 50×125 px (WxH) (resolution camera 2MPx)

General information

Supported Operating Systems	Linux / Windows
Supported Platform	x86_64 / Jetson
Supported Hardware Acceleration	Intel OpenVINO / NVIDIA TensorRT
Supported Database	MySQL / PostgreSQL / MS SQL / Oracle

Interface

Camera stream protocol	RTSP / HTTP / HTTPS / ONVIF
Recorded video formats	MKV; MP4; ASF; AVI; MJPEG
Supported codecs	MPEG-4; MJPEG; H.264; H.265
Output formats	JSON / XML / CSV

Main functionality

Centralized Management	+
Finding and navigating the vehicle route	+
Real-time alarms	+
Integration with Microsoft Power BI, Google Data Studio, and others	+
Unlimited lists support	+
Notification settings: internal alarm, by Email / SMS / HTTP / Telegram	+
REST API	+
Database import (CSV) and export support (EXCEL / PDF / CSV / JSON)	+
Integrated business logic builder	+
Support for various interface languages	+

VMS Integration

Event based integration	**CluebaseVMS,**Luxriot Evo, Milestone XProtect, Nx Meta, and other
Plugins integration	Luxriot Evo, Milestone XProtect, Nx Meta

Security Features

Active Directory / LDAP	+
Groups and roles support	+
Encryption of all packages	+