Hi-VS (High Speed Video Searching)

A.I based High Speed CCTV Video Searching Solution

Hi-VS is a state-of-the-art AI-based video retrieval solution that derives accurate results with a high performance GPU based on deep learning based video analysis technology and algorithm.

Fast crime/accident prime initial action through high speed CCTV video searching

Object detection based A.I

- Support searching height, cloth color, action and appearance of human object.
- Support searching type, model, brand, color and number plate of vehicle object.

Increased processing speed using high-performance GPUs

- Searching speed of 10~60 times speed
- 1 hour video reference, maximum 12 minutes, minimum 4 minutes search time.
- Support multi-searching for various video files

Available to compatible with the existed CCTV system

By compatibility with the existed CCTV, **available efficient searching.**

Decreasing video file download and **copying time.**

Features

High Performance GPU

- Increasing processing speed using high performance GPU
- Support a video searching speed maximum 60 times
- Support multi-searching for various video files

Artificial Intelligence Technology

- Applying object searching and analysis technology based on deep-learning
- Provide high search accuracy for reliability

VMS compatibility Support

- Available to search the specific video using VMS without file movement

Video File support

- Available to search separate NVR and storage device by sharing files or storage with the searching server

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Video analysis and searching feature based on A.I

Searching Speed	Object Type	Human Object Analysis
Detailed Search	Human, Vehicle	Gender
Standard Search		**Vehicle Object Analysis**
High Speed Search		Brand, Model
		Common Object Analysis
Using Deep-learning Algorism based on High performance GPU Detailed Search : 1hour video, required 12min Standard Search : 1hour video, required 7.5min High Speed Search : 1hour video, required 3.7min	Build and learn self-learning datasets Above 95% object accuracy (4096px above object)	Color, Moving Direction Cloth Color : more 8 colors Vehicle Color : more 12 colors Moving Direction : 8 direction, tracking technology

Hi-VS (High Speed Video Searching) Dash Board

VEHICLE ANALYSIS

ID : 591
Maker : HYUNDAI
Model : SONATA
Direction : ↘

ID : 591
Maker : KIA
Model : SORENTO
Direction : ↘

ID : 591
Maker : KIA
Model : RAY
direction : ↖

CCTV

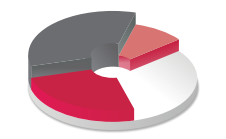
PEDESTRIAN ANALYSIS

ID : 591
Gender : Male
Color : BLACK
Direction : ↙

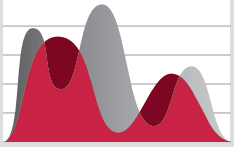
ID : 1010
Gender : Male
Color : GREY
Direction : ↘

ID : 1501
Gender : Female
Color : GREY
Direction : ↓

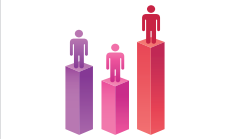
[Moving Direction]



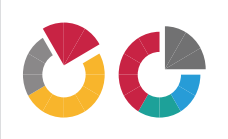
[Detecting Amount]
(Vehicle / Human)



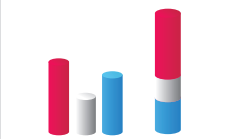
[Gender]



[Vehicle Brand]



[Color]



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