Sigmind.ai

Smart Machines, Smarter Humanity

Contact Us

5th Floor, Software Technology Park
Kawran Bazar, Dhaka- 1215.
Phone: 01719 468 542
Email: info@sigmind.ai

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ABOUT US

R&D Focused Computer Vision Technology

SIGMIND is the very first Artificial Intelligence (A.I.) research group and engineering solution provider in Bangladesh.

SIGMIND is the only proud member on NVIDIA Inception Program from Bangladesh which recognizes top A.I. start-ups around the world, providing Virtual Incubation supports.

Innovation On The Go

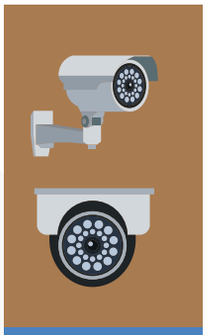
Innovation is the cornerstone on which we build our success and future moves.

Sigmind.ai puts its efforts to develop and market some innovative products with latest Computer Vision and Natural Language processing technologies powered by A.I. to solve some of the greatest challenges for humanity.

Integrity & Customer Experience

Integrity is the core value that guides all our actions and decisions. We strive to deliver excellence to our customers in every step.

HOW SIGMIND WORKS



Non A.I. Camera

Video Streaming

WatchCam iNVR

A.I. Event

User Interface

TECHNOLOGY Workflow

STEP 01

Install IP camera to your disposal.
- Any Brand
- Any pixel

STEP 02

Connect Camera with Sigmind.ai's intelligent NVR (WatchCam iNVR)

STEP 03

Receive A.I. events, notifications, report on Device End.

STEP 04

With Cloud based solution, you can see events, reports, status from web dashboard

Bringing A.I. to EDGE

MISSION & VISION

MISSION

Our mission is to innovate and deliver cutting edge computer vision technologies to incur maximum security on premise for a safer and better world.

VISION

Our Vision is to democratize the miraculous power of Artificial Intelligence to solve some of the greatest challenges for humanity and become herbinger of Computer Vision Technology in Bangladesh.

Security Solutions

Key Features

Sigmind's AI and Deep Learning video analytics products add intelligence to video cameras by analyzing the video content, extracting metadata, sending out real-time alerts and providing intelligence to security personnel and other security systems. The video analytics can be integrated in-camera, on-premise servers and on-cloud. Our Video Cloud software is an advanced solution that provides a comprehensive suite of event and video management solutions using cloud servers for uploading the event data from the camera and accessing that event data from a mobile phone.

- Intelligent video motion detection
- Camera tamper detection
- Intrusion detection
- Line crossing/wrong way
- Crowd detection
- Loitering
- Vehicle/people counting
- Face recognition
- License plate recognition (ALPR/ANPR)
- Video search and summary

Analytics Solutions

Key Features

Sigmind has the widest offering of AI-based Intelligent Video Analytics in the market today. Sigmind's video analytics automatically analyze live, streaming video from CCTV, surveillance and embedded cameras to provide actionable alerts for security events, eliminating false alarms and reducing the need for manual monitoring.

- Integrates with analog, IP/network and digital cameras
- Takes video input from DVR and NVR/video management solutions
- Enables security professionals to rapidly search for past incidents from archived video
- Outputs in a standard video file format for easy review by any media player
- Configurable duration of video summary allows varying levels of detail
- Increase productivity and efficiency of security professionals

License Plate Recognition

Key Features

Sigmind.ai's License Plate Recognizer has performed and matured, taking into account variables such as movement and high speeds which are natural to the environment of vehicle monitoring and has been trained with more than 50 thousands vehicles. Using still images or video feeds, the product can recognize and capture information located on car number plates and automatically log this information for future inspection. Real-time searching can also be performed on each plate detected, comparing the information gathered with a stored database of license plates.

- Automatic matching against a watch list with real-time alerting
- Detects and recognizes license plates on moving or stationary vehicles
- Records and logs all number plates at a scene for later forensic investigation
- Can handle different styles of number plate e.g. white background, green background etc.
- Vehicles can be tracked across multiple cameras or locations
- Reliable Performance, Good Accuracy with Low False Positives
- Bangla license plate detection and recognition

Face Recognition Based Access Control

Key Features

Sigmind.ai's facial recognition software searches an existing database of faces and compares them with the faces detected in the scene to find a match. Face Recognition detects faces in the camera's field of view - as many as 10 at the same time - and matches them against faces previously stored in the database. Anti-spoofing is provided through "liveness" testing without the need for a stereo or 3D camera. Faces can be enrolled in the database from existing still images or from the video camera itself.

- Facial recognition accuracy over 99.5% on public standard data sets
- Face recognition in real time, depending on resources
- Easily enroll faces from still or video images
- Anti-spoofing technology ensures the system cannot be fooled by a photo or video image
- Detect matches with faces in the database and provide alerts
- Create a log of faces in the local storage for later investigation
- REST API for building into applications and devices

Vehicle Type Classification

Key Features

Sigmind.ai's facial recognition software searches an existing database of faces and compares them with the faces detected in the scene to find a match. Face Recognition detects faces in the camera's field of view - as many as 10 at the same time - and matches them against faces previously stored in the database. Anti-spoofing is provided through "liveness" testing without the need for a stereo or 3D camera. Faces can be enrolled in the database from existing still images or from the video camera itself.

- Classify more than 10 types of vehicles (*Bus, Heavy Truck, Medium Truck, Mini Truck, Micro Bus, Trailer, Pickup, Sedan Car, Three Wheeler/CNG, Motor Cycle*)
- Trained specifically for South Asia Region's vehicles
- Data model developed over 1 lakhs different types of vehicles
- Real Time Analysis of Vehicles passing through the toll plaza.
- Reports contain vehicle images, time and types etc.
- Vehicle images are stored in server storage both locally and on cloud.
- License Plate Recognition available with Vehicle classification.

Affiliations

Partners

Clients