

X-FRS

X-Face Recognition System (X-FRS) delivers scalable and accurate face identification. The system analyzes the video for a face data and send real time alert when face is detected. By deep convolutional neural network algorithms, the system delivers an excellent performance.

Key Benefits:

- Software is able to integrated with other system via API or SDK such as; VMS, CMS, etc.
- Software have no number of camera restriction.
- Software is process at 8 video streams per 1 GPU.
- Ability to process minimum 300 image per second.
- Ability to process multiple site.
- Simultaneously detect and recognize multiple faces at a time for each cameras.
- Real time alerting when face is detected.
- Support all type IP and Analog camera.
- Support various resolutions above 1920x1080 and frame rate above 10 fps.
- Remote management and control capabilities.
- Detection for both color and black/white video.
- Detect face in crowded area

- Allows user to create groups of watchlist; Blacklists, Whitelist, VIP, etc.
- Easily enroll, edit, or delete faces.
- Enroll a face through detection and image upload.
- Enrollment image can be as low as 45 x 45 pixels.
- Find a previous detection of a POI upon enrollment to watchlist.
- Continuously detect and recognize moving and distant faces from different angles.
- Detect a minimum of 20 faces in frame.
- Automatically crop a face from a live view, a pre-recorded video or an image.
- Detect faces up to ± 35 degree tilt in both x and y direction.
- Recognition time of less than 1 second comparing with 35 million face database



Recognition and Data management

- Detect event time, date and location.
- Provide information after detected; Timestamp, Enrollment image, Personal Info, etc.
- Detected face will be saved in folder.
- Detect a face for abnormal case such as; partially hidden face (wearing hat, glasses, etc.) and emotional, or physical look change (smile, haircut, mustache, etc.)
- Allows user to add more than 8 enrolled images per user for more accurate
- Support a short playback of the moment of detection.
- Search history for previous detections and/or recognitions (events) of the detected person by enrolled names, enrolled image, detection, group, date and time, or mixed condition.
- Provide snapshot of the detected face including a video containing a few seconds before and after the event.
- Provide detect score of the detected face by comparing with the enrolled image (minimum 8 image to compare).
- Present a live indication frame over the detected face.

