

Weibridge Networks Corporation Face Detection and Recognition (X9-SF) is an application based on artificial intelligence that detects and records human faces via video stream. X9-SF catalogs all human face events into a centralized database. X9-SF Event Search - helps you obtain: face images, detection times, and entire human images. Also allows the user to enter a suspect image into the system which then is searched through a time-based return of all possible matches indexed by camera. X9-SF links with a built-in alarm system for alerting security managers about 'suspect' matches.

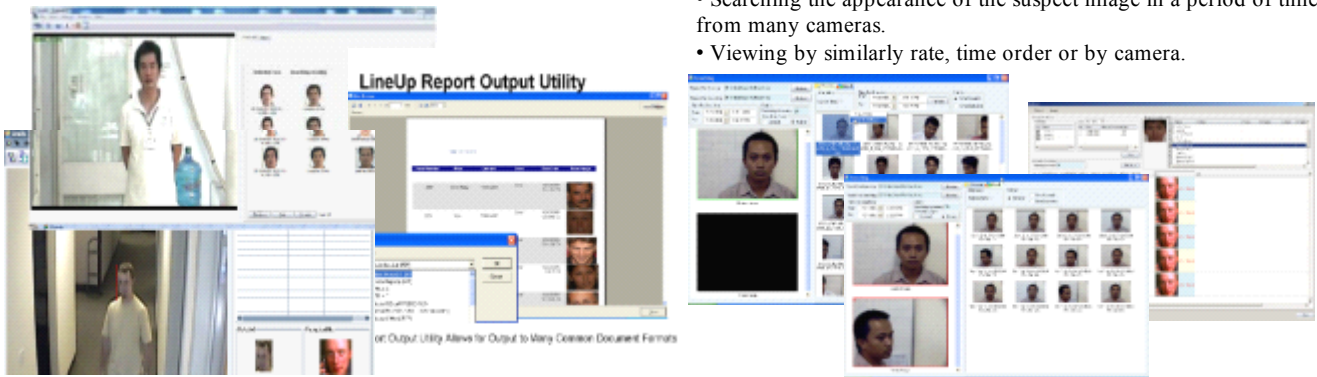
## Features and Benefits

### Features:

- Real-time detection, classification, and searching objects in CCTV video stream.
- User defined rules trigger alerts based on suspect images.
- Rules may be scheduled to be active by hour and day.
- Automatic capture of still image for each object.
- Real-time notification of events via audio, page, SMS, email, etc.
- Query against the image & attribute database based on input images.
- Online summary reports with user defined filters show event distribution versus time
- Automatic distribution of summary reports at user defined intervals

### Benefits:

- Automated Indexing of all video feeds online and offline.*
- Detecting, Classification and Indexing of moving objects within the field of view and saving data for historical analysis and searching.
- Ability to determine cause of pixel changes (lighting changes, shadows, rain/snow, wind blowing trees, etc.)
- *Proactive interdiction of events in progress*
- Immediate message to your cell phone when an event occurs
- Focus human effort on analysis and correction, not monitoring
- *Easy access to historical data*
- Searching the appearance of the suspect image in a period of time from many cameras.
- Viewing by similarity rate, time order or by camera.



## System Requirements

### X9-SF Workstation:

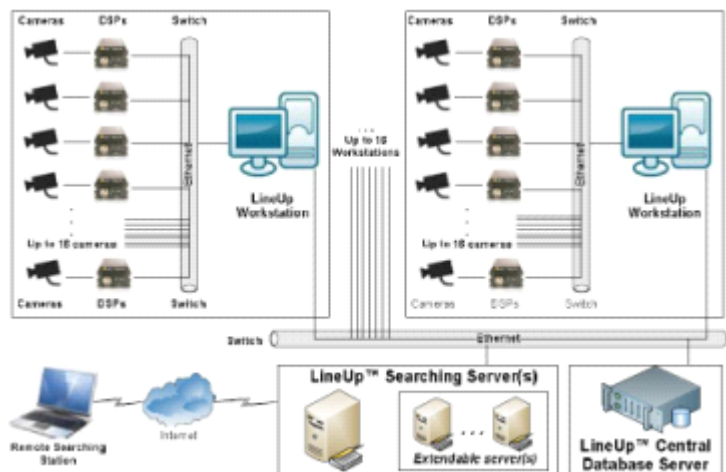
- Multiple DSP/Camera per LineUp Workstation
- OS: standard Microsoft platform
- Windows XP Professional SP2 or
- Windows 7 Professional
- Intel® Core™2 Duo Processor or better
- 1 GB DDR RAM II
- Hard Drive - 7200 RPM

### X9-SF Server:

- OS: standard Microsoft platform
- Windows 7 Professional 64-bit or
- Windows Server 2003 Standard Edition 64-bit
- Intel® Core™ i7-930 Processor or better
- 4 GB DDR RAM III for 1 million faces
- Hard Drive - 7200 RPM
- MySQL database application

For large scale deployments, up to 16 DSP channels may be linked to a single X9-SF Workstation and up to 16 X9-SF Workstations may then be connected to the X9-SF Server.

## Architecture



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