



## Advanced Facial Recognition

Crime investigators need all the help they can get. They face an ever-growing level of sophistication in the world in which they work; caseloads are increasing at the fastest pace ever while the amount of time they can spend on each case is shrinking. One area where they have received help recently is from the technology sector that offers numerous high-tech tools that can deliver enormous support, provided they are easy enough for nontechnical officers to use.

FOCUS is an advanced facial recognition software tool that provides superior identification results from crime scene videos on a platform that is as simple as finding and watching a movie on the internet.

### Quickly Identify a Person of Interest

FOCUS dramatically improves both the speed and accuracy of facial identification through easy-to-use machine learning software. No special training, or knowledge of video or image manipulation, is required. A user simply creates a case file, then opens a video, which can be in any of hundreds of formats. Their simple and familiar user controls allow an investigator to move quickly through the video, stopping on any frame they wish to use for identification. A selection is made by lassoing a face of interest using the mouse. FOCUS then takes over by leveraging advanced image processing functions to refine and enhance the target image, then searches a database of enrolled mugshots to identify any persons of interest.

### Results in Seconds

Advanced graphics analysis software enables FOCUS to compile information about the selected face, angles, and lighting, then quickly generate the best image for submission to the face matching engine. Possible matches return in rank order for the user to review and can be saved for historical reference. Since the entire process takes only a few seconds, users can try multiple attempts in a very short time frame, enabling more searches to produce better overall results. This significantly reduces the time investigators spend on identification, allowing them to focus their energies on pursuing and developing their case leads based on the potential matches FOCUS produces.

### Software Features

- Any nonproprietary video or image format can be used as input in FOCUS
- Match results are generated in seconds with a simple lasso around the subject's face
- Highlighted face is further processed into the ideal probe image
- Search activities are easily trackable through a case management module
- View prior search results with marked favorites
- Shared cases across your agency or just view your own cases
- Search optimization ensures that the best possible video frame is used for your search
- With one click, powerful filters can transform dark or blurry frames into searchable images
- Integrates with your existing mugshot database

### Machine Specifications

- Windows 10, 8GB of memory minimum, Core i7 processor
- A dedicated graphics card (GPU) such as NVIDIA or AMD is preferable



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## How FOCUS Works

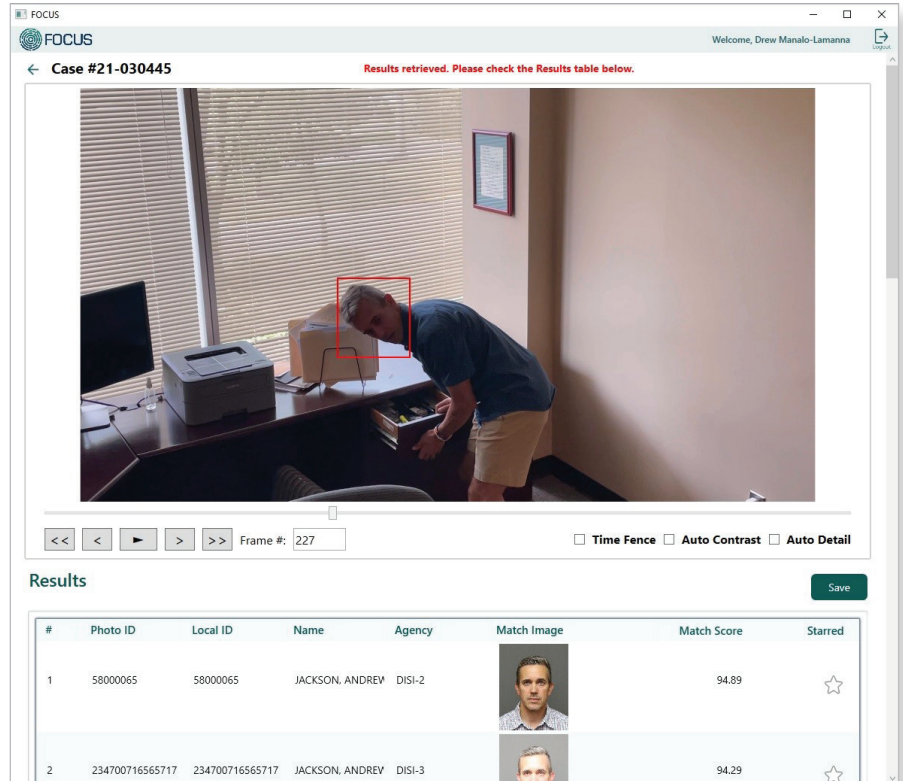
Through a pipeline of sophisticated algorithms, FOCUS quickly identifies parts of the face to examine. A classification algorithm inspects a subject's facial features by measuring the head's orientation and allows for any optical distortion. FOCUS uses a neural network to translate the face into a digital signature that is used for matching.

## Fast, Reliable Results

FOCUS allows users to easily scroll through video with familiar controls resembling those found on many popular media players. This ease of use, combined with its remarkable processing power and image and analyzing algorithms, sets FOCUS apart as a new benchmark in facial recognition technology enabling investigators to retrieve accurate match results as quickly and effortlessly as possible.





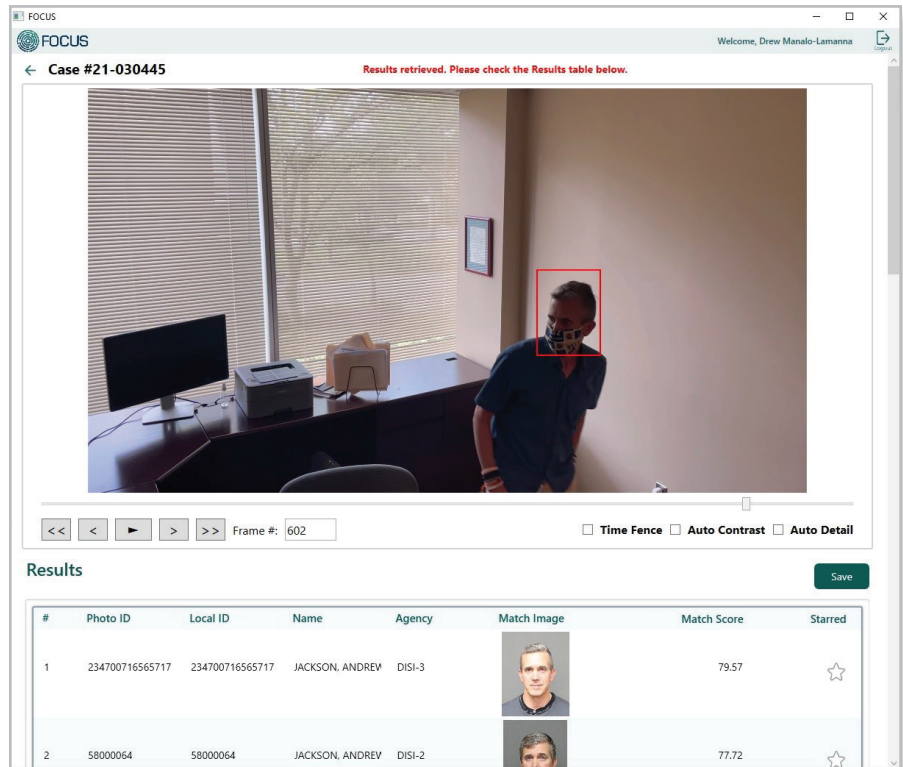
Contact us to find out how you can get started with **FOCUS advanced facial recognition.**



Case #21-030445



Results retrieved. Please check the Results table below.

#	Photo ID	Local ID	Name	Agency	Match Image	Match Score	Starred
1	58000065	58000065	JACKSON, ANDREW	DISI-2		94.89	<input type="checkbox"/>
2	234700716565717	234700716565717	JACKSON, ANDREW	DISI-3		94.29	<input type="checkbox"/>



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Results retrieved. Please check the Results table below.

#	Photo ID	Local ID	Name	Agency	Match Image	Match Score	Starred
1	234700716565717	234700716565717	JACKSON, ANDREW	DISI-3		79.57	<input type="checkbox"/>
2	58000064	58000064	JACKSON, ANDREW	DISI-2		77.72	<input type="checkbox"/>