

GLS^{can}® FP

High quality imaging of fingerprints on Gellifters made easy

After the successful introduction of the GLS^{can} Imaging System BVDA now introduces the GLS^{can} FP. The GLS^{can} FP scans Gellifters of up to a size of 5 x 7 inch and is therefore the perfect choice for experts looking for a high-end imaging system to scan Gellifters containing finger marks and palm prints.

New features:

- Auto Exposure
- On screen comparison of images
- Image enhancement and annotation
- New light source and camera shorten scan times
- Instant re-scanning of images increases efficiency
- Real time adjustment of exposure and illumination settings
- Settings Wizard and Assistant to provide the right image the first scan



NEW CAMERA

The system is fitted with a new highly sensitive CMOS camera which scans the Gellifters at a resolution of over 1300 ppi and makes 3rd level detail examination of finger marks possible.

Images obtained with the GLS^{can} FP can be loaded into most automated fingerprint and palm print identification systems (AFIS and APIS).

NEW LIGHT SOURCE

For the GLS^{can} FP a new light source is developed to illuminate the Gellifter during scanning. This LED light source provides for an even illumination of the entire surface of the Gellifter. The intensity of the light is adjustable and a single lamp is now sufficient for scanning barely visible marks at a high level of intensity as well as for scanning marks on white Gellifters using a low level of intensity.

The high intensity light enables the camera to work with shorter exposure times while delivering an excellent image within less than half a minute.

The variable exposure time and adjustable light intensity allows for imaging of nearly invisible to highly contrasting prints on the black Gellifters: from direct lifts of latent marks, to those developed with cyanoacrylate, to prints developed with silver coloured fingerprint powders.

On-screen comparison

View one or two different images side-by-side

Image enhancement tools

directly available within the GLScan software

The screenshot displays the GLScan software interface. On the left, there is a 'Settings wizard' panel with various options like 'Vacuum', 'Case', 'File name', 'Sheet size', 'Presets', 'Lamps', 'Light intensity', 'Exposure time', 'Scan', 'Background calibration', and 'Scan' options. The main window shows a comparison of two fingerprint images side-by-side. The right side of the interface features an 'Image enhancement' panel with options for 'Image prior', 'Zoom', 'Position', 'Negative', 'Image enhancement', 'Image rotation', 'Image selection', and 'Image 3D'. A large, high-resolution fingerprint image is shown in the center, illustrating the '3rd level detail examination' feature.

Settings wizard

assists to find the most suitable exposure and illumination setting

Auto Exposure

determines the optimum exposure and illumination setting and provides best image

3rd level detail examination

high resolution 1350 ppi image shows pores, ridge edges and textures

Scan assistant

suggests optimized settings after initial scan

SOFTWARE FEATURES

The control software for the GLScan^{can} FP is still as easy to use as the acclaimed software used to control the original model. The new GLScan FP software now comes with a boost of new features like:

- Bi-directional scanning for instant re-scanning of the Gellifter at optimal exposure and illumination settings suggested by the system.
- Real time adjustment of illumination and exposure settings. These parameters can be adjusted during scanning while the image builds up on screen. Finding the right settings is made easy in this way, subsequent use of the bi-directional scanning facility shortens the time needed to get the best final image.
- Image enhancement features such as invert, rotate, flip, histogram and brightness and contrast adjustment.
- Image comparison tool which allows the operator to compare two images side by side and to make annotations on the images.

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