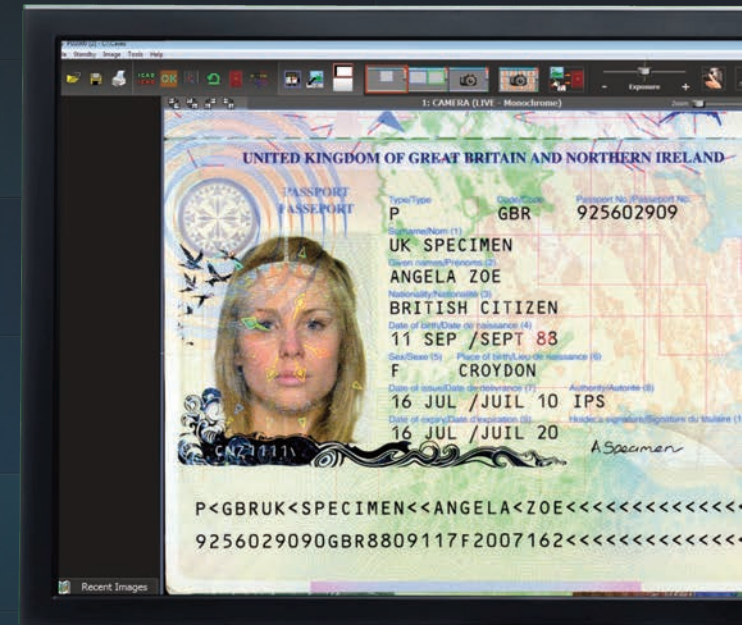


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PD

2000

Ultra High Resolution Imaging of Questioned Documents for
on-the-spot or **Remote Document Examination**



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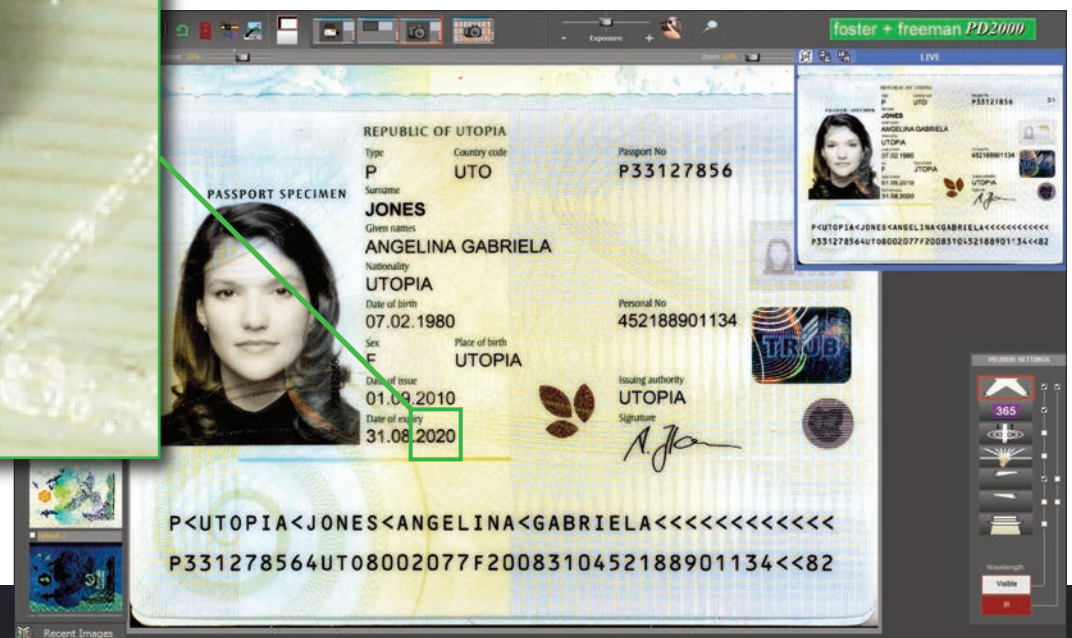
PD 2000



Ultra-high resolution document imaging for the examination of fine detail

The new PD2000 is a unique imaging system capable of recording images of documents with exceptionally high quality under a selection of illumination wavebands for on-the-spot examination, database creation, or with a single button press, transfer the images via the internet to an experienced document examiner for scrutiny.

The fully integrated system includes a high quality digital camera, a selection of high intensity multi-spectral light sources, and PC with large high resolution monitor



Remote Document Examination

Once document images have been captured, they can be transmitted to any remote location where an experienced document examiner, with an appropriate system, can select any of the images, zoom in and scroll around the image at any magnification and with no loss of resolution for closer examination.

With the appropriate software, the remote examiner can display the questioned document image, side by side, with that of an authentic document retrieved from a database for close comparison.

The PD2000 enables officers at a border security post to engage the services of an experienced document examiner without the need to transport the document.

Remote Document Examination with the PD2000 saves time and improves security.





Unsurpassed image quality

Above all else the PD2000 captures exceptionally high quality images of documents.

All images captured under the systems various wavelengths can be exported in a range of formats.

Images will retain excellent clarity even when displayed on a HD projector at many times the document's original size.



UV-Vis-NIR illumination

The fully integrated system includes a selection of LED light sources enabling examinations of most advanced document security features including OVDs, Multiple Laser Images and IR drop-out inks.

Light sources include:

- Visible and IR incident
- Visible transmitted
- Visible and IR side lights
- Incident longwave UV365nm
- Co-axial illumination
- Positionable light source array



One button operation

The PD2000 software can be configured to capture multiple images and MRZ data from a document then save and upload the files to a remote server with a single button press.

This simple system allows users with little or no training to use the PD2000 whilst maintaining consistent quality and a high throughput.

MRZ data capture and image recording of the document under all light sources takes less than 25 seconds.

IMAGE CAPTURE

- 36.6MP image capture
- Full resolution images of 7360 x 4912px
- FX-format CMOS sensor with high performance image processing
- Standard passport f-o-v 125mm x 92.5mm
- Large Passport f-o-v 153mm x 101mm

ILLUMINATION

- Infrared/visible
 - incident (flood) IR/visible
 - transmitted visible light source
 - IR/visible (left/right) LED side lighting
- Ultraviolet Light Sources
 - incident longwave UV (365nm)
- Specialist Light Sources
 - co-axial illumination
 - positionable 41 x LED array

SOFTWARE

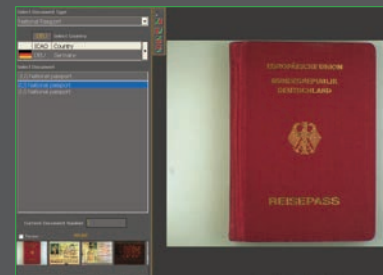
- Standard or 'One Button' modes of operation
- Live image view
- OCR module to read MRZ and verify ICAO codes
- 1D and 2D barcode analysis
- Integrated document database

REMOTE DOCUMENT EXAMINATION

- Send high resolution images together with PD2000 viewing parameters via the internet for remote examination
- Magnify or zoom into images with no loss of resolution
- Send files in JPG, RAW, TIFF (RGB) formats
- Examine PD2000 images using Foster+Freeman VSC workstations



DOCUMENT DATABASE CREATION



- Database creation/management software
- Store PD2000 images, data and system settings to a user generated database
- Automatically resets PD2000 to saved viewing parameters on image retrieval from a database
- Share images, data and PD2000 settings with other users
- Compare live images alongside database files

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