cortexflo

www.cortexflo.com

A cost-effective photo and video capture system with secure peer review for forensic medical examinations

Capture   **Annotate**   **Peer Review**

Cortexflo resolves the challenging and often stressful task of photographing evidential examinations. This innovation simplifies the control of the camera. Reliably taking high quality photographs and video is possible using a touchscreen interface that guides the examiner through the process.

Capture

Cortexflo uses a high quality digital SLR camera fitted with an LED light ring. The camera is mounted on a counter-balanced, height adjustable arm that requires minimal effort for precise positioning. The real time camera viewfinder is shown on the touchscreen monitor allowing the examiner to easily and quickly see where the camera is pointing. The photographs are taken hands-free using a foot pedal, the touchscreen or by a voice command. As soon as the photographs are taken, they are displayed on the monitor where the examiner can check that the picture was on the target area and in focus.

Annotate

To clearly identify areas of interest in the photographs, Cortexflo has an on-screen annotation feature. This allows the examiner to crop the photograph and use a selection of tools to annotate the photograph for their own reference or for preparing the photographs for peer review.

Peer Review

Once the examination has been completed, the photographs and video can be shared for peer review. Cortexflo automatically encrypts the files and the examiner can specify a password, expiration date or specific computer from which to access the photographs. This package can then be securely emailed to the third party where the data can be accessed using the Cortexflo Viewer application and specified password.

fernico

make the work *flow*.

Take the photographs using the foot pedal, the touchscreen or by voice commands

Foot Pedal **Touchscreen** **Voice**

Foot Pedal
The foot pedal enables the examiner to have free use of both hands during the examination if required to hold the patient in a particular position.

Touchscreen
Taking high definition photographs with Cortexflo does not require the user to study advanced photography techniques. Simply tapping the touchscreen viewfinder at a particular point, the picture will be taken, and it will be in focus.

Voice
The camera can be controlled using child-friendly voice commands (for example, penguin – polar bear – panda). This feature can help the examiner reduce the duration of the examination.

Cortexflo provides an affordable alternative to a colposcope. Plus, it delivers a combination of innovative features and components designed to reduce the stress on patients by swiftly and efficiently capturing evidence. Cortexflo also saves significant time and effort.

Video Recording
An examination can also be recorded in high definition, 1080P video, and the clip can be played back and indexed forward or backwards, frame by frame. An unlimited number of still frames can be extracted from the video and annotated in exactly the same way as photographs. In addition, the start and stop controls to record video can be assigned to the foot pedal so the examiner has free use of both hands.

Secure
Cortexflo is tamper-proof. When photographs are taken, they are not saved on the camera; they are transferred immediately to the local system or secure hospital server where they are encrypted and stored. This capability ensures security even if the camera is used by an unauthorized user so that patient photographs cannot be accessed.

The system has been designed to be easy to set up and operate by examiners who may have minimal IT technical skills. It therefore requires a limited amount of training. Simply plug in the power cord and instructions are displayed on the touchscreen monitor to guide the examiner. The hardware and software have been engineered for 24/7 reliability to cope in a demanding work environment.